



The CADD/GIS Technology Center

for facilities, infrastructure, and environment

A/E/C CADD Standard

Appendix D

The A/E/C CADD Standard is
compliant with Version 2.0
of the U.S. National
CAD Standard.

The A/E/C CADD Standard
contains supplemental materials
and DoD specific requirements
not addressed in the U.S. National
CAD Standard.



Release 2.0

Approved For Public Release; Distribution Is Unlimited

20011231 101

The contents of this report are not to be used for advertising, publication, or promotional purposes. Citation of trade names does not constitute an official endorsement or approval of the use of such commercial products.

The findings of this report are not to be construed as an official Department of the Army position, unless so designated by other authorized documents.



PRINTED ON RECYCLED PAPER

A/E/C CADD Standard

Main Text and Appendices A, B, and C
Appendix D

Release 2.0

Approved for public release; distribution is unlimited

Appendix D

A/E/C CADD Symbolology

This appendix provides the A/E/C CADD Symbolology as follows:

General Drafting

Lines

DEMOLN – Demolition LineD1-3

Symbols

BREAK – Break Line SymbolD1-7
 CNTLIN – Centerline SymbolD1-7
 COLLIN – Column Line/
 Grid Indicator.....D1-7
 DBLARR – Double Arrow Terminator ..D1-7
 DTLIND – Detail IndicatorD1-7
 KEYIND – Detail Indicator.....D1-7
 MAGNOR – Magnetic North Arrow.....D1-7
 MATIND – Match Line IndicatorD1-7
 NORIND – North Indicator.....D1-7
 NOTIND – Note IndicatorD1-8
 REVIND – Revision IndicatorD1-8
 S00005 – Scale 1 : 5.....D1-8
 S00010 – Scale 1 : 10D1-8
 S0001B – Scale 1" = 1'-0"D1-8
 S0001G – Scale 1" = 1'-0"D1-8
 S00020 – Scale 1 : 20D1-8
 S0003B – Scale 3" = 1'-0"D1-8
 S0003G – Scale 3" = 1'-0"D1-8
 S00050 – Scale 1 : 50D1-9
 S000B – Scale 1" = 1"D1-9
 S00100 – Scale 1 : 100D1-9
 S0012B – Scale 1/2" = 1'-0"D1-9
 S0012G – Scale 1/2" = 1'-0"D1-9
 S0014B – Scale 1/4" = 1'-0"D1-9
 S0014G – Scale 1/4" = 1'-0"D1-9
 S0015B – Scale 1-1/2" = 1'-0"D1-9
 S0015G – Scale 1-1/2" = 1'-0"D1-9

S0016B – Scale 1/16" = 1'-0"D1-10
 S0016G – Scale 1/16" = 1'-0"D1-10
 S0018B – Scale 1/8" = 1'-0"D1-10
 S0018G – Scale 1/8" = 1'-0"D1-10
 S00200 – Scale 1 : 200D1-10
 S0020B – Scale 1" = 20'-0"D1-10
 S0020G – Scale 1" = 20'-0"D1-10
 S0030B – Scale 1" = 30'-0"D1-10
 S0030G – Scale 1" = 30'-0"D1-10
 S0034B – Scale 3/4" = 1'-0"D1-11
 S0034G – Scale 3/4" = 1'-0"D1-11
 S0040B – Scale 1" = 40'-0"D1-11
 S0040G – Scale 1" = 40'-0"D1-11
 S00500 – Scale 1 : 500D1-11
 S0050B – Scale 1" = 50'-0"D1-11
 S0050G – Scale 1" = 50'-0"D1-11
 S0060B – Scale 1" = 60'-0"D1-11
 S0060G – Scale 1" = 60'-0"D1-11
 S01000 – Scale 1 : 1000D1-12
 S0100B – Scale 1" = 100'-0"D1-12
 S0100G – Scale 1" = 100'-0"D1-12
 S0200B – Scale 1" = 200'-0"D1-12
 S0200G – Scale 1" = 200'-0"D1-12
 S0400B – Scale 1" = 400'-0"D1-12
 S0400G – Scale 1" = 400'-0"D1-12
 S05000 – Scale 1 : 5000D1-12
 S0500B – Scale 1" = 500'-0"D1-12
 S0500G – Scale 1" = 500'-0"D1-13
 S06000 – Scale 1 : 6000D1-13
 S10000 – Scale 1 : 10000D1-13
 S1000B – Scale 1" = 1000'-0"D1-13
 S1000G – Scale 1" = 1000'-0"D1-13
 S20000 – Scale 1 : 20000D1-13
 S2000B – Scale 1" = 2000'-0"D1-13
 S2000G – Scale 1" = 2000'-0"D1-13
 SECIN1 – Section IndicatorD1-13
 SECIN2 – Section IndicatorD1-14
 SECIN3 – Section IndicatorD1-14

Hazardous Materials

Lines

HAZMAT – Hazardous Material
Transport D2-3

Symbols

AIRQST – Air Quality Monitoring
Station D2-7
AIRSMP – Air Sample Location D2-7
BIOSMP – Biological Sample Location D2-7
EGDECN – Equipment Decontamination D2-7
EGONST – Onsite Command Post D2-7
EGSITE – Site Information Center D2-7
EGWASH – Washdown Water Tank D2-7
EHZMSA – Hazmat Storage Location D2-7
EHZMSB – Hazmat Storage Building D2-7
EHZMSR – Hazmat Storage Room D2-8
EHZMSV – Hazmat Storage Vault D2-8
EHZWSA – Hazwaste Storage Location D2-8
EHZWSB – Hazwaste Storage Building D2-8
EHZWSR – Hazwaste Storage Room D2-8
EHZWSV – Hazwaste Storage Vault D2-8
EMGSHW – Emergency Shower D2-8
EPOLLS – Pollution Source Site D2-8
EYEWAS – Emergency Eyewash D2-8
GWTQST – Groundwater Quality
Monitoring Station D2-9
LANGAS – Landfill Gas Monitor Probe D2-9
MAGLOC – Magnetometer Det. Locat. D2-9
MATSMPL – Solid Material Sample
Location D2-9
PRRLOC – Potential Release Location D2-9
RESTR – Restricted Access D2-9
SEDSMP – Sediment Sample Location D2-9
SOLGAS – Soil Gas Monitoring Probe D2-9
SOLSMP – Soil Sample Location D2-9
SPLRES – Spill Response D2-10
SPLTNK – Spill Containment Tank D2-10
SURSMP – Surface Water Sample Loc D2-10
SWTQST – Surface Water Quality
Monitoring Station D2-10
WASSMP – Waste Sample Location D2-10
WATSMPL – Groundwater Sample Loc D2-10

Survey/Mapping

Lines

16THLN – Sixteenth Line D3-3
BARDIT – Ditch Barrier D3-3
BARDTB – Ditch and Berm Barrier D3-3
BARGEN – Generic Security Barrier D3-3
BARMAS – Security Masonry Barrier D3-3
CMP12 – CMP 12 in. Diameter
Linear Pattern D3-3
CMPU12 – CMP up to 12 in. Diameter
Linear Pattern D3-3
COMARX – Existing Aerial
Communication Line D3-3
COMUGX – Existing Underground
Communication Line D3-3
CONLMT – Construction Limit D3-4
CULVRT – Culvert Pipe D3-4
DITCH – Ditch Line D3-4
EPARX – Existing Aerial Primary
Electrical Line D3-4
EPUGX – Existing Underground Primary
Electrical Line D3-4
ESARX – Existing Aerial Secondary
Electrical Line D3-4
ESUGX – Existing Underground Secondary
Electrical Line D3-4
EUDUCX – Existing Underground
Ductbank D3-4
FENCE – Fence D3-4
FIBOPT – Fiber Optics Line D3-5
FIRE – Fire Protection Water Supply D3-5
FUELOR – Fuel Oil Return D3-5
FUELOS – Fuel Oil Supply D3-5
FUELOV – Fuel Oil Tank Vent D3-5
GUARD – Guardrail D3-5
INDXDC – Index Depth Contour D3-5
IWASTE – Industrial Waste D3-5
LIQPET – Liquid Petroleum Gas D3-5
MINRDC – Minor Depth Contour D3-6
NONPOT – Nonpotable Water D3-6
NTGASX – Exist. Natural Gas Piping D3-6
PROJBL – Project Boundary Line D3-6
PROPL – Property Line D3-6
RAILS – Single Railroad D3-6
RTOFWY – Right of Way D3-6

SSWAFX – Existing Sanitary Sewer.....	D3-6
STRAFX – Existing Storm Drain.....	D3-6
TREEL – Tree Line.....	D3-7
WATRX – Existing Water Line.....	D3-7

Patterns

CONC – Concrete.....	D3-11
CONCST – Concrete, Stone.....	D3-11
EEARTH – Existing Earth.....	D3-11
EROCK – Existing Rock.....	D3-11
FILLSC – Fill Section.....	D3-11
GRAVEL – Gravel.....	D3-11
GROUT – Grout.....	D3-11
LSWAMP – Large Swamp.....	D3-11
POROUS – Porous.....	D3-11
RIPRAP – Riprap.....	D3-12

Symbols

ACLLEL – Elevated Approach	
Lightbar.....	D3-15
ACLLSF – Semiflush Approach	
Lightbar.....	D3-15
AERO – Seaplane Anchorage Buoy.....	D3-15
AFBCN – Airfield Beacon.....	D3-15
AIRFLD – Airfield Symbol.....	D3-15
ANCHR1 – Anchorage Large Vessel.....	D3-15
ANCHR2 – Anchorage Large Vessel.....	D3-15
ANCHR3 – Anchorage Small Vessel.....	D3-15
ANCHR4 – Anchorage Small Vessel.....	D3-15
ANCHR5 – Anchorage Small Vessel.....	D3-16
ANCHRB – Anchor Berth.....	D3-16
ARROW – Arrow Terminator.....	D3-16
BAR1 – Barrel Buoy.....	D3-16
BAR1C – Barrel Buoy, Indicate Color.....	D3-16
BAR2 – Barrel Buoy.....	D3-16
BARD – Barrel Buoy, Diagonal Stripe.....	D3-16
BARLT1 – Barrel Buoy, Lighted.....	D3-16
BARLT2 – Barrel Buoy, Lighted.....	D3-16
BARMKR – Barrier Marker.....	D3-17
BARV – Barrel Buoy, Vertical Stripe.....	D3-17
BARVT – Barrel Buoy, Vertical	
Stripe, w/Topmark.....	D3-17
BCN1 – General Beacon.....	D3-17
BCN2 – General Beacon.....	D3-17
BCN3 – General Beacon.....	D3-17
BCN4 – General Beacon.....	D3-17

BCN5 – General Beacon.....	D3-17
BCNBY1 – Buoyant Beacon.....	D3-17
BCNBY2 – Buoyant Beacon.....	D3-18
BCNLT1 – Lighted Beacon.....	D3-18
BCNLT2 – Lighted Beacon.....	D3-18
BCNLT3 – Lighted Beacon.....	D3-18
BCNRES – Resilient Beacon.....	D3-18
BCNTG1 – Telegraphic Mooring	
Beacon.....	D3-18
BCNTG2 – Telegraphic Mooring	
Beacon.....	D3-18
BCNTP1 – Telephonic Mooring	
Beacon.....	D3-18
BCNTP2 – Telephonic Mooring	
Beacon.....	D3-18
BCNTR1 – Triangular Beacon.....	D3-19
BCNTR2 – Triangular Beacon.....	D3-19
BM – Bench Mark.....	D3-19
BMALT – Bench Mark Alternate.....	D3-19
BNDMRK – Boundary Mark.....	D3-19
BREAK – Break Line Symbol.....	D3-19
BYANCH – Anchorage Buoy.....	D3-19
BYBELB – Bell Barrel Buoy.....	D3-19
BYBELP – Bell Pillar Buoy.....	D3-19
BYCHEC – Checkered Buoy.....	D3-20
BYCOMP – Compass Adjustment	
Buoy.....	D3-20
BYEXPL – Explosive Anchorage	
Buoy.....	D3-20
BYFISH – Fish Trap Buoy.....	D3-20
BYGONB – Gong Barrel Buoy.....	D3-20
BYGONP – Gong Pillar Buoy.....	D3-20
BYJUNC – Junction Buoy.....	D3-20
BYPOS – Position of Buoy.....	D3-20
BYQUAR – Quarantine Buoy.....	D3-20
BYWAV1 – Wave Actuated Bell	
Buoy.....	D3-21
BYWAV2 – Wave Actuated Bell	
Buoy.....	D3-21
BYWHIB – Whistle Barrel Buoy.....	D3-21
BYWHIP – Whistle Pillar Buoy.....	D3-21
CABCNZ – Cable Crossing Zone.....	D3-21
CABDIS – Disused Submarine Cable.....	D3-21
CABLAN – Cable Landing Beacon.....	D3-21
CABLE – Submarine Cable.....	D3-21
CABLE1 – Submarine Cable Area.....	D3-21
CABLE2 – Submarine Cable Area.....	D3-22
CABPWR – Submarine Power Area.....	D3-22
CAIRN1 – Cairn.....	D3-22

CAIRN2 – Cairn.....	D3-22	FIXPNT – Fixed Point.....	D3-26
CAIRN3 – Cairn.....	D3-22	FLARRL – Flow Arrow Left in 0 Pt.....	D3-26
CAIRN4 – Cairn.....	D3-22	FLARRR – Flow Arrow Right in 0 Pt.	D3-26
CAN1 – Can Buoy.....	D3-22	FLDGAT – Flood Gate.....	D3-27
CAN2 – Can Buoy.....	D3-22	FOG – Fog Signal.....	D3-27
CANWT – White Can Buoy		FOGBCN – Fog Signal Beacon.....	D3-27
w/Topmark.....	D3-22	FOGBY – Fog Signal Buoy.....	D3-27
CATBSN – Catch Basin.....	D3-23	FOGLS – Fog Signal Light Ship.....	D3-27
CATBSR – Round Catch Basin.....	D3-23	FOGLSM – Fog Signal Light Ship,	
CDHDR – Core Drill Hole Drilled.....	D3-23	Manned.....	D3-27
CDHUDR – Core Drill Hole Undrilled.....	D3-23	FOMETR – Fuel Oil Meter.....	D3-27
CGRES1 – Coast Guard Rescue		FOMHOL – Fuel Oil Manhole.....	D3-27
Station.....	D3-23	FOVALT – Fuel Oil Vault.....	D3-27
CGRES2 – Coast Guard Rescue		GREASE – Grease Trap.....	D3-28
Station.....	D3-23	GRITCH – Grit Chamber.....	D3-28
CGRES3 – Coast Guard Rescue		GSMETR – Gas Meter.....	D3-28
Station.....	D3-23	GSMHOL – Gas Manhole.....	D3-28
CKTID – Circuit ID Symbol.....	D3-23	GSPLNT – Gas Plant.....	D3-28
CLNOUT – Cleanout.....	D3-23	GSRECR – Gas Receiver.....	D3-28
CMHLX – Existing Communication		GSTRAP – Gas Trap.....	D3-28
Manhole.....	D3-24	GSVALT – Gas Valve Vault.....	D3-28
CNR90 – Corner Solid 90.....	D3-24	HEADWL – Headwall.....	D3-28
CNRNF – Corner Not Found.....	D3-24	HLL – Hoverlane Light.....	D3-29
CNRSF – Corner Solid Flat.....	D3-24	HLLL – Hoverlane Limit Light.....	D3-29
CNTLIN – Centerline Symbol.....	D3-24	HORCPT – Horizontal Control Point.....	D3-29
COAST1 – Coast Guard Station.....	D3-24	HOVCPT – Horiz. Vert. Control Point.....	D3-29
COAST2 – Coast Guard Station.....	D3-24	HPIL – Helipad Inset Light.....	D3-29
COAST3 – Coast Guard Station.....	D3-24	HPPLEL – Elevated Helipad Perimeter	
COAST4 – Coast Guard Station.....	D3-24	Light.....	D3-29
CULVEE – Culvert End Symbol.....	D3-25	HPPLSF – Semiflush Helipad Perimeter	
DBID – Ductbank ID Symbol.....	D3-25	Light.....	D3-29
DBLARR – Double Arrow Terminator.....	D3-25	HUREYE – Hurricane Eye.....	D3-29
DGUYX – Down Guy.....	D3-25	HYDRNT – Hydrant.....	D3-29
DISPLT – Disused Platform.....	D3-25	INSHWY – Interstate Hwy. Symbol.....	D3-30
DNGPB – Lighted Danger Pillar Buoy.....	D3-25	INSTBY – Oil Gas Installation Buoy.....	D3-30
DNGRK – Danger Underwater Rocks		IWMETR – Industrial Waste Water	
Depth Unknown.....	D3-25	Meter.....	D3-30
DNGRK1 – Danger Underwater Rocks		IWMHOL – Industrial Waste Manhole.....	D3-30
Depth Unknown.....	D3-25	JETTY – Jetty.....	D3-30
DNGSB – Lighted Danger Spar Buoy.....	D3-25	JNBX – Junction Box.....	D3-30
DOLPHN – Dolphin.....	D3-26	KELP – Kelp/Seaweed.....	D3-30
DSTMKR – Runway Distance Marker.....	D3-26	LANBY1 – Lanby Superbuoy Navaid.....	D3-30
DSWTCH – Distribution Switch.....	D3-26	LANBY2 – Lanby Superbuoy Navaid.....	D3-30
DTHL – Displace Threshold Light.....	D3-26	LATBCN – Lattice Beacon.....	D3-31
EHH LX – Existing Electrical		LIFEBT – Lifeboat Station.....	D3-31
Handhole.....	D3-26	LIFEM1 – Lifeboat at Mooring.....	D3-31
EMHLX – Existing Electrical		LIFEM2 – Lifeboat at Mooring.....	D3-31
Manhole.....	D3-26	LIMIT – Limit of Safety Zone.....	D3-31

LITSV1 – Floating Light	D3-31
LITSV2 – Floating Light	D3-31
LOOKTR – Lookout Watch Station.....	D3-31
LTART – Articulated Light	D3-31
LTBEAC – Lighted Beacon.....	D3-32
LTBY – Lighted Buoy	D3-32
LTBYBB – Lighted Black Barrel Buoy.....	D3-32
LTFLD – Floodlight.....	D3-32
LTFLT – Float Light.....	D3-32
LTFLT1 – Float Light IALA	D3-32
LTFLT2 – Float Light IALA	D3-32
LTHOU1 – Lighthouse	D3-32
LTHOU2 – Lighthouse	D3-32
LTMAJ1 – Major Floating Light.....	D3-33
LTMAJ2 – Major Floating Light.....	D3-33
LTMARK – Lighted Marker.....	D3-33
LTMIN2 – Minor Floating Light.....	D3-33
LTPLT1 – Lighted Platform	D3-33
LTPLT2 – Lighted Platform	D3-33
LTPLX – Existing Light Pole	D3-33
LTSH1 – Lighted Vessel Lightship.....	D3-33
LTSH2 – Lighted Vessel Lightship.....	D3-33
LTSH3 – Lighted Vessel Lightship.....	D3-34
LTSTRX – Existing Street Light Bracket.....	D3-34
LTOW2 – Lighted Beacon Tower.....	D3-34
LTVES2 – Unmanned Light Vessel	D3-34
MARINA – Boat Harbor Marina.....	D3-34
MARKGD – Green Day Marker.....	D3-34
MARKRD – Red Day Marker	D3-34
MEAST – Lighted East Marker Buoy ..	D3-34
MNORTH – North Arrow.....	D3-34
MONWEL – Monitoring Well.....	D3-35
MORB – Mooring Buoy	D3-35
MORBBB – Black Mooring Barrel Buoy.....	D3-35
MORBBW – White Mooring Barrel Buoy.....	D3-35
MORBCW – White Mooring Can Buoy.....	D3-35
MORTWR – Mooring Tower	D3-35
MOTRHP – Motor	D3-35
MSOUTH – Lighted South Marker Buoy.....	D3-35
MWEST – Lighted West Marker Buoy.....	D3-35
NOTICE – Notice Board.....	D3-36
NUN1 – Nun Buoy.....	D3-36

NUN2 – Nun Buoy.....	D3-36
NUNBT – Black Nun Buoy w/Topmark	D3-36
NUNWT – White Nun Buoy w/Topmark	D3-36
OBS – Obstruction.....	D3-36
OBSSPT – Observation Spot.....	D3-36
OBSTRL – Obstruction Light	D3-36
ODAS – ODAS Data Collection Buoy.....	D3-36
OUTB – Outfall Marking Buoy.....	D3-37
PAPI – PAPI Light Unit.....	D3-37
PHOCPT – Photo Control Point.....	D3-37
PIINFO – PI Information	D3-37
PIL1 – Pillar Buoy.....	D3-37
PIL2 – Pillar Buoy.....	D3-37
PILLT – Lighted Pillar Buoy	D3-37
PILM – Multicolored Pillar Buoy	D3-37
PILOT – Boarding Place.....	D3-37
PILOT1 – Pilot Office.....	D3-38
PILOT2 – Pilot Office.....	D3-38
PILV – Vertical Stripe Pillar Buoy	D3-38
PILVT – Vertical Stripe Pillar Buoy w/Topmark	D3-38
PIPDIS – Disused Pipeline Pipe.....	D3-38
PIPE – Water Sewer Outfall Intake	D3-38
PIPE1 – Oil Gas Pipeline	D3-38
PIPE2 – Oil Gas Pipeline	D3-38
PIPES1 – Oil Gas Pipeline Area.....	D3-38
PIPES2 – Oil Gas Pipeline Area.....	D3-39
PIVALV – Post Indicator Valve	D3-39
PLAT1 – Prod Platform Oil Derrick.....	D3-39
PLAT2 – Prod Platform Oil Derrick.....	D3-39
PLAT3 – Prod Platform Oil Derrick.....	D3-39
PMPSTA – Pump Station	D3-39
POLE1 – Pole Stake Perch.....	D3-39
POLE2 – Pole Stake Perch.....	D3-39
POLE3 – Pole Stake Perch.....	D3-39
POLEID – Pole Identification Symbol.....	D3-40
POLEP – Port Hand Stake Pole.....	D3-40
POLES – Starboard Hand Stake Pole.....	D3-40
PRIVB – Private Barrel Buoy	D3-40
RADAR – Radar Station or Beacon	D3-40
RADAR1 – Floating Radar Beacon.....	D3-40
RADAR2 – Floating Radar Beacon.....	D3-40
RADAR3 – Floating Radar Beacon.....	D3-40
RADAR4 – Floating Radar Beacon.....	D3-40
RADIO – General Radio Beacon.....	D3-41
RADRF1 – Radar Reflector or Feature	D3-41
RADRF2 – Radar Reflector or Feature	D3-41

RANGEX – Range Extension.....	D3-41	SNMETR – Sanitary Meter	D3-45
REEF – Coral Reef, Large Icon	D3-41	SNMHOL – Sanitary Manhole	D3-45
REEF1 – Coral Reef, Small Icon	D3-41	SNPVSL – Sanitary Pressure Vessel	D3-46
REFUG1 – Refuge Beacon	D3-41	SNVALT – Sanitary Valve Vault	D3-46
REFUG2 – Refuge Beacon	D3-41	SPAR1 – Spar Buoy Spindle Buoy.....	D3-46
REIL – Reil Light Unit.....	D3-41	SPAR2 – Spar Buoy Spindle Buoy.....	D3-46
RESCUE – Rescue Station.....	D3-42	SPARB – Black Spar Buoy.....	D3-46
RESPLT – Observation Research		SPARBT – Black Spar Buoy	
Platform	D3-42	w/Topmark	D3-46
RGVALV – Regulator Valve.....	D3-42	SPARWT – White Spar Buoy	
RSTAR – Range Star	D3-42	w/Topmark	D3-46
RVMMOP – Open River Mile Marker.....	D3-42	SPH1 – Spherical Buoy.....	D3-46
RVMMSO – Solid River Mile Marker.....	D3-42	SPH2 – Spherical Buoy.....	D3-46
RWCLL – Runway Centerline Light	D3-42	SPHD – Diagonal Stripe Spherical	
RWEL – Runway End Light	D3-42	Buoy.....	D3-47
RWLEL – Elevated Runway		SPHV – Vertical Stripe Spherical	
Edge Light.....	D3-42	Buoy.....	D3-47
RWLSF – Semiflush Runway		SPHW – White Spherical Buoy	D3-47
Edge Light.....	D3-43	SPILE – Submerged Piling.....	D3-47
SAFE1 – Lighted Safe Water Mark.....	D3-43	SPILE1 – Submerged Piles	D3-47
SAFE2 – Lighted Safe Water Mark.....	D3-43	SPILES – Submerged Piles	D3-47
SAFE3 – Lighted Safe Water Mark.....	D3-43	SPILEX – Submerged Pile w/Position.....	D3-47
SCNRH – Section Corner Hatched	D3-43	SPOST – Submerged Post	D3-47
SCNRO – Section Corner Open.....	D3-43	SPOSTX – Submerged Post	
SCNRTO – Section Corner T Open	D3-43	w/Position	D3-47
SDMHOL – Storm Drainage Manhole.....	D3-43	SPTANK – Septic Tank.....	D3-48
SECCUT – Typical Section Cut	D3-43	SSLSTA – Sanitary Sewer Lift Station.....	D3-48
SFL – Sequenced Flasher Light	D3-44	STAKE – Stake Perch.....	D3-48
SHRUBC – Shrub, Coniferous	D3-44	STAKEX – Stake w/Position.....	D3-48
SIGBRG – Bridge Light Inc Traffic	D3-44	STHWY – State Highway Symbol	D3-48
SIGN – Sign	D3-44	STMPIT – Steam Pit.....	D3-48
SIGNWS – National Weather Service		STUMPS – Submerged Stumps.....	D3-48
Station.....	D3-44	SUBSTA – Substation	D3-48
SIGSHO – Sub Signal Connect Shore.....	D3-44	SUPER – Super Buoy	D3-48
SIGST1 – General Signal Station	D3-44	SUWEL2 – Suspended Well, Depth	
SIGST2 – General Signal Station	D3-44	Unknown.....	D3-49
SIGSTP – Port Control Signal Station.....	D3-44	SUWEL3 – Suspended Well, Depth	
SIGSUB – Submarine Signal.....	D3-45	Unknown.....	D3-49
SIRLH1 – Siren at Lighthouse.....	D3-45	SUWELY – Suspended Well, Depth	
SIRLH2 – Siren at Lighthouse.....	D3-45	Known.....	D3-49
SLARRL – Slope Arrow w/ Enter		SWAMP – Swamp	D3-49
Data Field.....	D3-45	SWELB1 – Submerged Well w/Buoy.....	D3-49
SLARRR – Slope Arrow w/ Enter		SWELB2 – Submerged Well w/Buoy.....	D3-49
Data Field.....	D3-45	SWELL5 – Submerged Prod Well.....	D3-49
SLLX – Existing Street Light		SWPADX – Existing Switch Pad	D3-49
Luminaire.....	D3-45	TDZL – Touchdown Zone Light.....	D3-49
SLREG – Constant Current		TELBBB – Black Telegraphic Barrel	
Transformer	D3-45	Buoy.....	D3-50

THL – Threshold Light	D3-50
TIDEG – Tide Gage	D3-50
TIDSTF – Tide Staff	D3-50
TIRETR – Tire Treddle	D3-50
TNKBG – Tank, Below Ground	D3-50
TNKHAG – Tank, Horizontal Above Ground	D3-50
TNKVAG – Tank, Vertical Above Ground	D3-50
TOW1 – Beacon Tower	D3-50
TOW2 – Beacon Tower	D3-51
TOW3 – Beacon Tower	D3-51
TOWB – Black Beacon Tower	D3-51
TOWBT1 – Black Beacon Tower w/Topmark	D3-51
TOWBT2 – Black Beacon Tower w/Topmark	D3-51
TOWER – Transmission Tower	D3-51
TOWW – White Beacon Tower	D3-51
TOWWT1 – White Beacon Tower w/Topmark	D3-51
TOWWT2 – White Beacon Tower w/Topmark	D3-51
TREEC – Tree, Coniferous	D3-52
TREED – Tree, Deciduous	D3-52
TREEG – Tree, Generic	D3-52
TRFSIG – Traffic Signal Mast Arm	D3-52
TRIPNT – Triangulation Point	D3-52
TRVALT – Transformer Vault	D3-52
TSCTRL – Traffic Signal Controller	D3-52
TSHEAD – Traffic Signal Head	D3-52
TSPBX – Traffic Signal Pullbox	D3-52
TSPHS – Traffic Signal Phase No., Thru	D3-53
TSPHT – Traffic Signal Phase No., Turn	D3-53
TSVLDT – Traffic Signal Vehicle Loop Detector	D3-53
TWCLL – Taxiway Centerline Light	D3-53
TWELEL – Elevated Taxiway End Light	D3-53
TWELSF – Semiflush Taxiway End Light	D3-53
TWGSgn – Taxiway Guidance Sign	D3-53
TWLEL – Elevated Taxiway Edge Light	D3-53
TWLSF – Semiflush Taxiway Edge Light	D3-53
USHWY – US Highway Symbol	D3-54

UTPLX – Existing Pole	D3-54
VCDATA – Vertical Curve Data	D3-54
VERCPT – Vertical Control Point	D3-54
WAHHOL – Water Handhole	D3-54
WAMETR – Water Meter	D3-54
WAPLNT – Water Plant	D3-54
WASOFT – Water Softener	D3-54
WAVALT – Water Valve Vault	D3-54
WEIR – Weir	D3-55
WELL1 – Wellhead, Above Water	D3-55
WELL3 – Wellhead, Above Water	D3-55
WINDCN – Windcone	D3-55
WITHYP – Port Hand Withy	D3-55
WITHYS – Starboard Hand Withy	D3-55
WRECK – Wreck, Not Dangerous	D3-55
WRKDNG – Wreck, Danger Depth Unknown	D3-55
WRKEXP – Wreck, Partly Exposed	D3-55
XFRPLX – Existing Transformer Pole	D3-56
XFRPMX – Existing Transformer Pad	D3-56

Geotechnical

Patterns

AGGLOM – Agglomerate or Flow Breccia	D4-3
ANDES – Andesite	D4-3
BASALT – Basalt	D4-3
BRECCA – Breccia	D4-3
CHALK – Chalk or Marl	D4-3
CHERT – Chert	D4-3
CLAYST – Claystone or Siltstone	D4-3
CMPSHL – Compaction Shale	D4-3
COAL – Coal	D4-3
CONGLM – Conglomerate	D4-4
CSHALE – Cemented Shale	D4-4
CSJNT – Closely Spaced Joints	D4-4
DIORIT – Diorite	D4-4
DOLOM – Dolomite	D4-4
GABBRO – Gabbro	D4-4
GNEISS – Gneiss	D4-4
GRANIT – Granite	D4-4
GRAYWC – Graywacke	D4-4
HFRACT – Highly Fractured	D4-5
LIMEST – Limestone	D4-5
MARBL1 – Marble	D4-5

MSJNT – Moderately Spaced Joints.....	D4-5
QUARTZ – Quartzite	D4-5
RHYOLT – Rhyolite.....	D4-5
SANDST – Sandstone.....	D4-5
SCHIST – Schist	D4-5
SHELL – Shells.....	D4-5
SLATE – Slate	D4-6
SOAPST – Soapstone or Serpentine.....	D4-6
TUFF – Tuff or Tuff Breccia	D4-6
USCS1 – USCS Soil Symbol.....	D4-6
USCS10 – OL, Organic Clay or Silt, Low Liquid Limit.....	D4-6
USCS11 – Pt, Peat	D4-6
USCS12 – SC, Clayey Sand.....	D4-6
USCS13 – SM, Silty Sand	D4-6
USCS14 – SP, Poorly Graded Sand.....	D4-6
USCS15 – SW, Well Graded Sand.....	D4-7
USCS2 – CL, Lean Clay	D4-7
USCS3 – GC, Clayey Gravel.....	D4-7
USCS4 – GM, Silty Gravel.....	D4-7
USCS5 – GP, Poorly Graded Gravel	D4-7
USCS6 – GW, Well Graded Gravel	D4-7
USCS7 – MH, Inorganic Silt, High Liquid Limit.....	D4-7
USCS8 – ML, Inorganic, Silt, Low Liquid Limit.....	D4-7
USCS9 – OH, Organic Clay or Silt, High Liquid Limit.....	D4-7
WOOD – Wood Symbol	D4-8
WSJNT – Widely Spaced Joints	D4-8
ZONECL – Zones of Core Loss	D4-8

Symbols

ANCHOL – Angle Cored Hole (Arrow=Dir).....	D4-11
ANTICL – Anticline.....	D4-11
BHHNUM – Backhoe Hole Number	D4-11
BOLOGR – Boring Log Refusal	D4-11
CCHNUM – Concrete Core Hole Number.....	D4-11
CDRDSH – Consolidated-Drained Direct Shear	D4-11
CONDRA – Consolidated Drained.....	D4-11
CONSOL – Consolidation	D4-11
CONTST – Consolidation Test	D4-11
CONUDR – Consolidated Undrained.....	D4-12
CPNHOL – Cone Penetrometer Hole	D4-12

CUDRTT – Consolidated-Undrained Triaxial Test	D4-12
DSCHOL – Drive Sampled (SPT) and Cored.....	D4-12
DSHOL – Drive Sample (SPT) Hole.....	D4-12
FBLCK1 – Fault Block Movement 1....	D4-12
FBLCK2 – Fault Block Movement 2....	D4-12
HAHNUM – Hand Auger Hole Number	D4-12
HANGF1 – High Angle Fault 1	D4-12
HANGF2 – High Angle Fault 2	D4-13
HDHNUM – Hand Dug Hole Number	D4-13
HEXAGN – Hexagon Symbol	D4-13
HOLNUM – Hole Number, Elevation, Offset.....	D4-13
HRZBED – Horizontal Beds.....	D4-13
MOISTC – Moisture Content	D4-13
NSAHOL – Nonsampled Area of Hole	D4-13
OBSHOL – Piezometer or Observation Hole.....	D4-13
OPBLOG – Open Boring Log	D4-13
PAHNUM – Power Auger Hole Number	D4-14
PIEZOM – Piezometer.....	D4-14
PROPEX – Proposed Exploration	D4-14
PTHNUM – Perc Test Hole Number....	D4-14
RDHNUM – Rotary Drill Hole Number	D4-14
RSLASH – Refusal Slashes	D4-14
SAMPLE – Sample.....	D4-14
SDIJNT – Strike Dip of Inclined Joint.....	D4-14
SQUARE – Square Symbol	D4-14
STRKDP – Strike Dip.....	D4-15
STRKVJ – Strike of Vertical Joint	D4-15
STRKVP – Strike w/Vertical Dip	D4-15
SYNCLN – Syncline	D4-15
TRIANG – Triangle Symbol.....	D4-15
TSTHOL – Test Hole Symbol	D4-15
UCONUD – Unconsolidated Undrained	D4-15
UCONUT Unconsolidated-Undrained Triaxial Test	D4-15
UDENIS – Undisturbed Denison or Push	D4-15
ULIMIT – Unsatisfactory Limit	D4-16
VCHOL – Vertical Core Hole.....	D4-16
VHNUM – Vibracore Hole Number.....	D4-16

WASHBR – Washbored	D4-16
WBHNUM – Wash Boring Hole Number	D4-16
WLEVDL – Water Level Date Left	D4-16
WTRLEV – Water Level	D4-16

FILTBD – Filtration Bed	D5-9
GRAVEL – Gravel	D5-9
LSWAMP – Large Swamp	D5-9
POROUS – Porous	D5-9
RIPRAP – Riprap	D5-9

Civil

Lines

BARDIT – Ditch Barrier	D5-3
BARDTB – Ditch and Berm Barrier	D5-3
BARGEN – Generic Security Barrier	D5-3
BARMAS – Security Masonry Barrier	D5-3
CONLMT – Construction Limit	D5-3
CULVRT – Culvert Pipe	D5-3
DITCH – Ditch Line	D5-3
FENCE – Fence	D5-3
FIRE – Fire Protection Water Supply	D5-3
FUELOS – Fuel Oil Return	D5-4
FUELOV – Fuel Oil Tank Vent	D5-4
GOVTKL – Government Taking Line	D5-4
GUARD – Guardrail	D5-4
INDXDC – Index Depth Contour	D5-4
IWASTE – Industrial Waste	D5-4
LIQPET – Liquid Petroleum Gas	D5-4
MINRDC – Minor Depth Contour	D5-4
NONPOT – Nonpotable Water	D5-5
NTGASN – Natural Gas Piping	D5-5
NTGASX – Exist. Natural Gas Piping	D5-5
PROJBL – Project Boundary Line	D5-5
PROPL – Property Line	D5-5
RAILRD – Railroad	D5-5
RTOFWY – Right of Way	D5-5
SSWAF – Sanitary Sewer	D5-5
SSWAFX – Existing Sanitary Sewer	D5-5
STRAF – Storm Drain	D5-6
STRAFX – Existing Storm Drain	D5-6
TREEL – Tree Line	D5-6
WATERL – Water Line	D5-6
WATRX – Existing Water Line	D5-6
WWFBRC – Welded Wire Fabric	D5-6

Patterns

CONCST – Concrete, Stone	D5-9
--------------------------------	------

Symbols

AIRFLD – Airfield Symbol	D5-13
ARRPT – Parking Turn Arrow	D5-13
ARRSD – Straight Direction Arrow	D5-13
ARRST – Straight and Turn Arrow	D5-13
BREAK – Break Line Symbol	D5-13
BUOY – Buoy	D5-13
CATBSN – Catch Basin	D5-13
CATBSR – Round Catch Basin	D5-13
CDHDR – Core Drill Hole Drilled	D5-13
CDHUDR – Core Drill Hole Undrilled	D5-14
CLNOUT – Cleanout	D5-14
CNR90 – Corner Solid 90	D5-14
CNRSF – Corner Solid Flat	D5-14
CNTLIN – Centerline Symbol	D5-14
COGRAV – Center of Gravity Symbol	D5-14
CULVEE – Culvert End	D5-14
DBLARR – Double Arrow Terminator	D5-14
DRLHOL – Drill Hole	D5-14
FLARRL – Flow Arrow Left in 0 Pt.	D5-15
FLARRR – Flow Arrow Right in 0 Pt.	D5-15
FOMETR – Fuel Oil Meter	D5-15
FOMHOL – Fuel Oil Manhole	D5-15
FOVALT – Fuel Oil Vault	D5-15
GREASE – Grease Trap	D5-15
GRITCH – Grit Chamber	D5-15
GSMETR – Gas Meter	D5-15
GSPLNT – Gas Plant	D5-15
GSRECR – Gas Receiver	D5-16
GSTRAP – Gas Trap	D5-16
GSVALT – Gas Valve Vault	D5-16
HEADWL – Headwall	D5-16
HNDCAP – Handicap Chair Symbol	D5-16
HORCPT – Horizontal Control Point	D5-16
HOVCPT – Horiz. Vert. Control Point	D5-16
HUREYE – Hurricane Eye	D5-16
HYDRNT – Hydrant	D5-16
INSHWY – Interstate Highway Symbol	D5-17
IWMETR – Industrial Waste Water Meter	D5-17
IWMHOL – Industrial Waste Water Manhole	D5-17

JNBX – Junction Box.....	D5-17
MONWEL – Monitoring Well.....	D5-17
PHOCPT – Photo Control Point.....	D5-17
PIINFO – PI Information	D5-17
PIVALV – Post Indicator Valve	D5-17
PMPSTA – Pump Station	D5-17
RGVALV – Regulator Valve.....	D5-18
RRSIGN – Rail Signal	D5-18
RRSWTC – Rail Switch.....	D5-18
SCNRH – Section Corner Hatched	D5-18
SCNRO – Section Corner Open.....	D5-18
SDMHOL – Storm Drainage Manhole.....	D5-18
SHRUBC – Shrub, Coniferous	D5-18
SHRUBD – Shrub, Deciduous.....	D5-18
SIGN – Sign	D5-18
SNMHOL – Sanitary Manhole	D5-19
SNPVSL – Sanitary Pressure Vessel	D5-19
SNVALT – Sanitary Valve Vault	D5-19
SPOTEL – Ground Spot Elevation.....	D5-19
SPTANK – Septic Tank.....	D5-19
STHWY – State Highway Symbol.....	D5-19
STMPIT – Steam Pit.....	D5-19
SWAMP – Swamp	D5-19
TIDEG – Tide Gage	D5-19
TIRETR – Tire Treddle.....	D5-20
TNKBG – Tank, Below Ground.....	D5-20
TNKHAG – Tank, Horizontal	
Above Ground	D5-20
TNKVAG – Tank, Vertical	
Above Ground	D5-20
TRACR – Traffic Arm w/Card Reader.....	D5-20
TRAMS – Traffic Arm,	
Mechanical Swing.....	D5-20
TREEC – Tree, Coniferous	D5-20
TREED – Tree, Deciduous.....	D5-20
TREEG – Tree, Generic	D5-20
USHWY – US Highway Symbol	D5-21
VCDATA – Vertical Curve Data.....	D5-21
VERCPT – Vertical Control Point.....	D5-21
WAHHOL – Water Handhole.....	D5-21
WAMETR – Water Meter.....	D5-21
WAPLNT – Water Plant.....	D5-21
WASOFT – Water Softener.....	D5-21
WAVALT – Water Valve Vault	D5-21

Landscape

Lines

FENCE – Fence Line.....	D6-3
LAWNSP – Lawn Sprinkler Supply.....	D6-3
TREEL – Tree Line.....	D6-3

Symbols

SHRUBC – Shrub, Coniferous	D6-7
SHRUBD – Shrub, Deciduous.....	D6-7
TREEC – Tree, Coniferous.....	D6-7
TREED – Tree, Deciduous.....	D6-7
TREEG – Tree, Generic.....	D6-7

Structural

Lines

BERM – Berm.....	D7-3
CMP127 – CMP 127 mm x 25 mm.....	D7-3
CMP152 – CMP 152 mm x 51 mm.....	D7-3
CMP38 – CMP 38 mm x 6 mm.....	D7-3
CMP51 – CMP 51 mm x 13 mm.....	D7-3
CMP68 – CMP 68 mm x 13 mm.....	D7-3
CMP76 – CMP 76 mm x 25 mm.....	D7-3
DECKCR – Corrugated Metal Deck.....	D7-3
DECKFL – Metal Floor Deck.....	D7-3
DECKRF – Metal Roof Deck	D7-4
GROUND – Ground	D7-4
INTRLK – Interlocking Steel Members..	D7-4
PS31 – PS31 Sheet Pile.....	D7-4
PS31H – PS31 Sheet Pile Hidden.....	D7-4
PSA23 – PSA23 Sheet Pile.....	D7-4
PSA23H – PSA23 Sheet Pile Hidden	D7-4
PZ22 – PZ22 Sheet Pile	D7-4
PZ22H – PZ22 Sheet Pile Hidden.....	D7-4
PZ27 – PZ27 Sheet Pile	D7-5
PZ27H – PZ27H Sheet Pile Hidden.....	D7-5
PZ35 – PZ35 Sheet Pile	D7-5
PZ35H – PZ35 Sheet Pile Hidden.....	D7-5
PZ40 – PZ40 Sheet Pile	D7-5
PZ40H – PZ40 Sheet Pile Hidden.....	D7-5
REBR12 – Rebar at 12 Inch	D7-5
REBR18 – Rebar at 18 Inch	D7-5

REBR6 – Rebar at 6 Inch.....	D7-5
REBR9 – Rebar at 9 Inch.....	D7-6
RIPPLN – Riprap Plan View	D7-6
ROCK – Rock	D7-6
SHORLN – Shore Line	D7-6
WWFBRC – Welded Wire Fabric	D7-6

Objects

4FRB – 4" Flat Ribbed Waterstop.....	D7-9
6FRBHD – 6" Flat Ribbed Waterstop, Heavy Duty	D7-9
6FRBLW – 6" Flat Ribbed Waterstop, Light Weight.....	D7-9
6RCBHD – 6" Ribbed Waterstop with Center Bulb, Heavy Duty	D7-9
6RCBLW – 6" Ribbed Waterstop with Center Bulb, Light Weight	D7-9
9FLBHD – 9" Flat Ribbed Waterstop Heavy Duty	D7-9
9FRBLW – 9" Flat Ribbed Waterstop Light Weight.....	D7-9
9RCBHD – 9" Ribbed Waterstop with Center Bulb, Heavy Duty	D7-9
9RCBLW – 9" Ribbed Waterstop with Center Bulb, Light Weight	D7-9
BOX – Box Pile.....	D7-10
CMUFL – Fluted Concrete Block, 8 X 8 X 16	D7-10
CMURIB – Ribbed Concrete Block, 8 X 8 X 16	D7-10
CMUSF – Split Face Concrete Block, 8 X 8 X 16	D7-10
CMUSTR – Structural Concrete Block, 8 X 8 X 16	D7-10
PLZ23 – PLZ23 Sheet Piling.....	D7-10
PLZ25 – PLZ25 Sheet Piling.....	D7-10
PS27.5 – PS27.5 Sheet Pile	D7-10
PS31 – PS31 Sheet Pile.....	D7-10
PSA23 – PSA23 Sheet Pile.....	D7-11
PZ22 – PZ22 Sheet Pile	D7-11
PZ27 – PZ27 Sheet Pile	D7-11
PZ35 – PZ35 Sheet Pile	D7-11
PZ40 – PZ40 Sheet Pile	D7-11
RC230 – RC230 Sheet Pile Connection.....	D7-11
RC231 – RC231 Sheet Pile Connection.....	D7-11
ZC270 – PZ22 PZ27 L Connection.....	D7-11
ZC271 – PZ22 PZ27 L Connection.....	D7-11
ZC272 – PZ22 PZ27 L Connection.....	D7-12

ZC273 – PZ22 PZ27 L Connection.....	D7-12
ZC274 – PZ22 PZ27 L Connection.....	D7-12
ZC275 – PZ22 PZ27 L Connection.....	D7-12
ZC276 – PZ22 PZ27 L Connection.....	D7-12
ZC277 – PZ22 PZ27 L Connection.....	D7-12
ZC278 – PZ22 PZ27 L Connection.....	D7-12
ZC279 – PZ22 PZ27 L Connection.....	D7-12
ZC350 – PZ35 PZ40 L Connection.....	D7-12
ZC351 – PZ35 PZ40 L Connection.....	D7-13
ZC352 – PZ35 PZ40 L Connection.....	D7-13
ZC353 – PZ35 PZ40 L Connection.....	D7-13
ZC354 – PZ35 PZ40 L Connection.....	D7-13
ZC355 – PZ35 PZ40 L Connection.....	D7-13
ZC356 – PZ35 PZ40 L Connection.....	D7-13
ZC357 – PZ35 PZ40 L Connection.....	D7-13
ZC358 – PZ35 PZ40 L Connection.....	D7-13
ZC359 – PZ35 PZ40 L Connection.....	D7-13
ZT270 – PZ22 PZ27 T Connection.....	D7-14
ZT271 – PZ22 PZ27 T Connection.....	D7-14
ZT350 – PZ35 PZ40 T Connection.....	D7-14
ZT351 – PZ35 PZ40 T Connection.....	D7-14
ZX270 – PZ22 PZ27 Cross Connection.....	D7-14
ZX350 – PZ35 PZ40 Cross Connection.....	D7-14

Patterns

CONCST – Concrete, Stone	D7-17
EEARTH – Existing Earth.....	D7-17
GRAVEL – Gravel.....	D7-17

Symbols

ANBOLT – Anchor Bolt.....	D7-21
CNTLIN – Centerline Symbol	D7-21
COLLIN – Column Line/Grid Indicator.....	D7-21
JSTBR1 – Joist Bar, Single Line	D7-21
JSTBR2 – Joist Bar, Single Line	D7-21
PLATE – Plate Symbol.....	D7-21

Architectural

Lines

INBATT – Loose Fill Batt. Insulation.....	D8-3
WWFBRC – Welded Wire Fabric	D8-3

Objects

BRKGL – Glazed Brick	D8-7
CMU – Masonry Unit	D8-7
CMUBLK – Concrete Block, 8X8X16...	D8-7
CMUCOR – Concrete Block, 8X8X16 Corner	D8-7
CMUEND – Concrete Block, 8X8X16 End.....	D8-7
CMUGL – Glazed Concrete Block.....	D8-7
CMUSTR – Concrete Block, 8X8X16 Str.	D8-7
DOR18L – Left Door, 180 Degree Swing	D8-7
DOR18R – Right Door, 180 Degree Swing	D8-7
DORBFL – Left Bifold Door.....	D8-8
DORBFR – Right Bifold Door	D8-8
DORCPV – Door Center Pivot.....	D8-8
DORCYL – Cylindrical Door	D8-8
DORDBL – Left Double Door.....	D8-8
DORDBR – Right Double Door	D8-8
DORDEL – Left Double Egress Door ..	D8-8
DORDER – Right Double Egress Door..	D8-8
DORFSL – Left Single Full Swing Door	D8-8
DORFSR – Right Single Full Swing Door	D8-9
DOROVH – Overhead Door.....	D8-9
DORPOC – Door Pocket	D8-9
DORRUP – Roll Up Door	D8-9
DORSHL – Left Single Hinged Door....	D8-9
DORSHR – Right Single Hinged Door. .	D8-9
DORSLD – Sliding Door	D8-9
DORSLS – Sliding Surface Door	D8-9
DORSPL – Left Single Pivot Door.....	D8-9
DORSPR – Right Single Pivot Door	D8-10
DORUDL – Left Uneven Double Door	D8-10
DORUDR – Right Uneven Dbl. Door ..	D8-10
LINTEL – Concrete Beam Bond Lintel.....	D8-10
WINAWN – Window Awning.....	D8-10
WINBAY – Projected Bay Window	D8-10
WINBOW – Projected Bow Window ...	D8-10
WINBOX – Projected Box Window.....	D8-10
WINDCI – Window Double Casement Inward Open	D8-10
WINDCO – Window Double	

Casement Outward Open	D8-11
WINDH – Double Hung Window.....	D8-11
WINFIX – Fixed 1 Foot Window	D8-11
WINJAL – Jalousie Window	D8-11
WINOSL – Sliding Window Left Operating Sash	D8-11
WINOSR – Sliding Window Right Operating Sash	D8-11
WINPIV – Pivot Window	D8-11
WINSCL – Window Single Casement Left Jamb Hinge	D8-11
WINSCR – Window Single Casement Right Jamb Hinge.....	D8-11
WINSH – Single Hung Window	D8-12

Patterns

ADOBE – Masonry/Adobe Rammed Earth.....	D8-15
ALUMIN – Aluminum.....	D8-15
ASHLER – Stone Ashler	D8-15
BRASS – Bronze Brass	D8-15
BRBLCO – Coursed Brick Block.....	D8-15
BRCOBD – Common Bond Brick.....	D8-15
BREBND – English Bond Brick.....	D8-15
BRFLBD – Flemish Bond Brick.....	D8-15
BRFLCB – Flemish Common Bond.....	D8-15
BRKCF – Common/Face Brick	D8-16
BRKELE – Brick Elevation	D8-16
BRRNBD – Brick Running Bond.....	D8-16
BRSTBD – Brick Stack Bond.....	D8-16
CCBSS – Cast Concrete Block, Small Scale	D8-16
CCELEV – Concrete Cement Elevation	D8-16
CDTOP – Cementitious Deck & Topping.....	D8-16
CMUBP – CMU Block.....	D8-16
CMUELB – Elevation Block	D8-16
CONBLK – Concrete Block	D8-17
CONCCN – Concrete, Cinder.....	D8-17
CONCLW – Concrete, Light Weight ...	D8-17
CONCPR – Precast Cast-in-Place Concrete.....	D8-17
CONCST – Concrete, Stone	D8-17
CONPBS – Pumice Block Concrete, Small Scale	D8-17
CSTIRN – Cast Iron.....	D8-17

CSTSTN – Cast Stone	D8-17
CTILSS – Ceramic Tile, Small Scale.....	D8-17
CUTSTN – Cut Stone	D8-18
EARTH – Compacted Fill Earthwork.....	D8-18
FIBFSF – Fibrous Fire Safing.....	D8-18
GLASS – Structural Glass	D8-18
GROUT – Grout	D8-18
GRVCRE – Crushed Rock Earth Gravel	D8-18
GRVPFE – Porous Fill Gravel Earthwork	D8-18
GRVSCL – Sand Clay Gravel.	D8-18
GYPPE – Gypsum Plaster Plan & Elevation	D8-18
INSQLT – Large Scale Insulation Quilts	D8-19
INSRIG – Rigid Insulation.....	D8-19
INSSCM – Solid Cork Magnesia Insulation	D8-19
MARBL2 – Marble Stone.....	D8-19
RIPRAP – Riprap.....	D8-19
ROCK – Rock Earthwork	D8-19
RUBBLE – Stone Rubble	D8-19
SAND – Sand.....	D8-19
STEEL – Steel and other Metals.....	D8-19
STNSQR – Squared Stone.....	D8-20
TCBCSS – Terra Cotta (Small Scale) Brick Cotta.....	D8-20
TCELEV – Terra Cotta Elevation.....	D8-20
TCUSS – Terra Cotta (Small Scale) Unglazed	D8-20
TERRZO – Terrazzo.....	D8-20
TILCER – Ceramic Tile Elevation.....	D8-20
TILESF – Structural Facing Tile.....	D8-20

Symbols

ARCPBW – Architectural Particleboard Woodwork.....	D8-23
ASBDLS – Large Scale Asbestos Board.....	D8-23
ASBDSS – Small Scale Asbestos Board.....	D8-23
BATHCO – Corner Bath	D8-23
BATHEM – Emergency Bath	D8-23
BATHFT – Foot Bath.....	D8-23
BATHHA – Hydrotherapy Arm Bath....	D8-23
BATHHH – Hydrotherapy Hubbard Bath	D8-23

BATHHL – Hydrotherapy Leg Bath	D8-23
BATHIF – Infant Bath	D8-24
BATHIN – Institutional Bath.....	D8-24
BATHRC – Recessed Bath.....	D8-24
BATHRR – Roll Rim Bath.....	D8-24
BATHSZ – Sitz Bath	D8-24
BATHWP – Whirlpool Bath.....	D8-24
BIDET – Watercloset Bidet	D8-24
BRFACC – Brick Face on Common.....	D8-24
BRFIRE – Fire Brick.....	D8-24
BSSFLG – Bluestone / Slate / Soapstone / Flagging	D8-25
CANWCT – Can Washer, Cabinet Type	D8-25
CANWDT – Can Washer, Dish Type ..	D8-25
CARPET – Carpet and Pad.....	D8-25
CPLANK – Concrete Plank	D8-25
DFPROJ – Drinking Fountain, Projecting Type.....	D8-25
DFRECS – Drinking Fountain, Recessed Type	D8-25
DFSREC – Drinking Fountain, Semi-Recessed Type.....	D8-25
DOORID – Door Opening Identifier	D8-25
DSHWSH – Commercial Dishwasher ..	D8-26
EQPMID – Equipment Identifier	D8-26
FASTEN – Fastener	D8-26
FLRRPL – Flooring, Resilient Plastic Laminate	D8-26
FURCHH – Furring Channel Hat	D8-26
FURCHN – Furring Channel	D8-26
GLASLS – Large Scale Glass.....	D8-26
GLASSS – Small Scale Glass.....	D8-26
GLBLLS –Glass Block, Large Scale....	D8-26
GLBLSS –Glass Block, Small Scale	D8-27
GLELEV – Glass Elevation.....	D8-27
GPLANK – Gypsum Plank.....	D8-27
GYPBLK – Gypsum Block.....	D8-27
GYPPEM – Gypsum Plaster on Masonry	D8-27
GYPPEB – Gypsum Plaster Particle Board	D8-27
GYPSPS – Gypsum Solid Plaster Partition	D8-27
GYPWBD – Gypsum Wallboard Finishes	D8-27
INFBSS – Small Scale Flexible Blanket Insulation.....	D8-27

INLFLS – Large Scale Loose Fill	
Insulation	D8-28
INS1RM – Insulation, Reflective Metal	
On 1 Side	D8-28
INS2RM – Insulation, Reflective	
Curtain 2 Sides (Sm. Scale)	D8-28
INSFOM – Spray Foam Insulation	D8-28
INSTND – Insulation, Type Not	
Determined (Lg. Scale)	D8-28
LAVBCK – Back Lavatory	D8-28
LAVCOR – Corner Lavatory	D8-28
LAVCOU – Lavatory in Counter	D8-28
LAVDNT – Dental Lavatory	D8-28
LAVHND – Handicapped Lavatory	D8-29
LAVMDM – Med. Manicure Lavatory	D8-29
LAVSLB – Slab Type Lavatory	D8-29
MTLLPL – Metal Lath and Plaster	D8-29
MTLSHT – Metal Sheet and all Metals	
(Small Scale)	D8-29
ORISTB – Oriented Strand Board	D8-29
PARTBD – Particleboard	D8-29
PLASTC – Plastic Finishes	D8-29
PLPLLS – Large Scale Plastic on	
Plywood	D8-29
PLPLSS – Small Scale Plastic on	
Plywood	D8-30
PLYWLS – Large Scale Plywood	D8-30
PLYWSS – Small Scale Plywood	D8-30
RBIILS – Rigid Board on	
Interior Insulation, Large Scale	D8-30
RBISLS – Insulation, Rigid Board	
as Sheathing (Lg. Scale)	D8-30
ROOMID – Room Identifier	D8-30
SDIRLD – Stair Direction Line Down	D8-30
SDIRLU – Stair Direction Line Up	D8-30
SHWRCO – Corner Shower	D8-30
SHWRHD – Shower Head	D8-31
SHWROG – Shower Overhead Gang	D8-31
SHWRPG – Shower Pedestal Gang	D8-31
SHWRST – Shower Stall	D8-31
SLOPE – Direction of Line Slope	D8-31
SNK2BD – Double Bowl Sink	D8-31
SNK2CT – Two Compartment Sink	D8-31
SNKCWT – Circular Wash Type Sink	D8-31
SNKDSP – Sink Disposer	D8-31
SNKFRC – Flushing Rim	
Clinical Sink	D8-32
SNKGEN – General Sink	D8-32
SNKKLR – Kitchen Sink	D8-32
SNKLDB – Sink w/Left Drainboard	D8-32
SNKLTR – Sink Laundry Tray	D8-32
SNKSCW – Semi-Circular Wash Sink	D8-32
SNKSLP – Slop-Type Sink	D8-32
SNKSRV – Service Sink	D8-32
SNKSSC – Surgeon Scrub Sink	D8-32
STLCSS – Structural Clay Tile,	
Small Scale	D8-33
SUSPNT – Suspension Tee	D8-33
TC1FLS – Terra Cotta Glazed	
1 Face (Large Scale)	D8-33
TC2FSS – Terra Cotta Glazed	
2 Faces (Small Scale)	D8-33
TCHOLW – Hollow Terra Cotta	D8-33
TCLS – Large Scale Terra Cotta	D8-33
TCQLS – Terra Cotta Quarry	D8-33
TCUGLS – Terra Cotta Unglazed	
(Large Scale)	D8-33
TCVENR – Veneer Terra Cotta	D8-33
THRSHD – Threshold	D8-34
TILFSS – Small Scale Tile Facing	D8-34
TILGSC – Glazed Structural Clay	
Tile Masonry	D8-34
TILSFU – Tile Structural Floor Units	D8-34
TLACOU – Acoustical Tile Finishes	D8-34
TLCRLS – Ceramic Tile Finish	
Large Scale	D8-34
TRAY1L – Single Laundry Tray	D8-34
TRAY2L – Double Laundry Trays	D8-34
URNLCO – Corner Type Urinal	D8-34
URNLPD – Pedestal Type Urinal	D8-35
URNLST – Urinal Stall	D8-35
URNLTR – Trough Type Urinal	D8-35
URNLWH – Wall Hung Urinal	D8-35
WALLID – Wall Type Identifier	D8-35
WCELWH – Electric Wall Hung	
Water Cooler	D8-35
WCFVFO – FV Flr Outlet Watercloset	D8-35
WCFVWH – FV WH Watercloset	D8-35
WCITNK – Integral Tank Watercloset	D8-35
WCTANK – Tank Type Watercloset	D8-36
WCWHTN – WH Tank Watercloset	D8-36
WDFLBD – Wood Floor Board	D8-36
WDFNOS – Wood Finish on Studs	D8-36
WDFRAM – Continuous Wood	
Framing	D8-36
WDSHSD – Wood Shingles Siding	D8-36

WFINSH – Wood Finish.....	D8-36
WINID – Window Identifier	D8-36
WOODHB – Hardboard Wood.....	D8-36
WSHRBP – Bedpan Washer.....	D8-37
WTRPFF – Waterproofing Felt Flashing.....	D8-37

Interiors

Objects

ABLLBD – Bulletin Board	D9-3
ACOSTM – Costumer	D9-3
ADDCAB – Double Door Cabinet	D9-3
AEAS30 – Easel, 30W (Hidden)	D9-3
AMAG15 – Magazine Rack, 15W X 3D.....	D9-3
AMAGLT – Magnifying Light	D9-3
APRJSC – Projection Screen, Ceiling-Mounted.....	D9-3
ASTCAB – Storage Cabinet	D9-3
D65CLR – Desk 65 Comp LR.....	D9-3
D65CRR – Desk 65 Comp RR.....	D9-4
D7230L – L.H. Single Pedestal Desk, 72W X 30D (2).....	D9-4
D7230R – R.H. Single Pedestal Desk, 72W X 30D (2).....	D9-4
DPFF – Desk, Double File Pedestal.....	D9-4
DPFL – Desk, Left Pedestal.....	D9-4
DPFR – Desk Return Pedestal File	D9-4
DSC1 – Desk, Study Carrel, Single	D9-4
ECGAME – Freestanding Computer Game.....	D9-4
ECOMCN – Comsec Container	D9-4
EDRYER – Dryer.....	D9-5
EPINBL – Pinball Machine.....	D9-5
ERFRG – Refrigerator.....	D9-5
ETV – Television	D9-5
EVEND – Vending Machine.....	D9-5
EWASHM – Washing Machine.....	D9-5
F4DL – Lateral File Cab-4 Drawer.....	D9-5
FC3618 – Storage Cabinet, 36W X 18D	D9-5
FE7422 – Equip. Shelving, 74W X 22D, Barracks	D9-5
FV1833 – Vertical File, 18W X 33D.....	D9-6
GIDIR – Directory.....	D9-6

GIIS1 – Identification Sign w/1 Slot.....	D9-6
GIIS2 – Identification Sign w/2 Slots	D9-6
GIPIC1 – Pictogram 1	D9-6
GIPIC2 – Pictogram 2	D9-6
GMAN – Man Symbol for Restroom Signage	D9-6
GWOMAN – Woman Symbol for Restroom Signage.....	D9-6
SDMGT – Management Chair w/Arms 24W X 22D	D9-6
SDSEC – Secretarial Chair w/out Arms, 23W X 22D	D9-7
SDTASK – Task Chair	D9-7
SGANG – Gang Seating w/Table.....	D9-7
SSOF37 – Sofa Chair, 37W X 34D.....	D9-7
SSOF63 – 2 Cushion Sofa, 63W X 34D	D9-7
SSOF82 – 3 Cushion Sofa, 82.5W X 34D	D9-7
STAB24 – Chair Tablet Arm, 24W X 24D	D9-7
T42SQ – Table, 42SQ w/ Armless Chairs.....	D9-7
TMS30 – Mailsort Table 16 OH Slots 30W	D9-7
TPOOL – Pool Table	D9-8
TROUND – Round Table	D9-8
W7230L – Workstation L Unit LR.....	D9-8
W7230R – Workstation L Unit RR.....	D9-8
WCPDSK – Desk, Computer.....	D9-8
WFLIPR – Flipper Door Unit	D9-8
WLIGHT – Workstation Light	D9-8
WPED – Workstation Pedestal	D9-8

Symbols

ACURTN – Curtain	D9-11
APLANT – Artificial Plant.....	D9-11
GHNDGP – Universal Handicap Symbol.....	D9-11
GIID – Identification Sign.....	D9-11
MFMATL – Furniture Material List.....	D9-11
MFSCHD – Furniture Schedule.....	D9-11
MFSYMB – Furniture Symbol	D9-11
MNORTH – North Arrow	D9-11
MRSCHD – Room Finish Schedule	D9-11
MSSCHD – Signage Schedule.....	D9-12

Fire Protection

Lines

FIRE – Fire Protection Water Supply	D10-3
MANSUC – Suction Main	D10-3
SPRINK – Main Supply Sprinkler	D10-3
STDCOM – Standpipe Combination	D10-3
STDDRY – Dry Standpipe	D10-3
STDWET – Wet Standpipe	D10-3

Symbols

IDIR – Direction Arrow	D10-7
ABORT – Abort Switch	D10-7
ACCESS – Fire Department Access	D10-7
AGSTCN – Agent Storage Container	D10-7
BELLFA – Bell (Gong)	D10-7
BOILER – Boiler	D10-7
CHIMNY – Chimney	D10-7
CO2AA – CO2 Automatically Actuated Extinguishing System	D10-7
CO2MA – CO2 Manually Actuated Extinguishing System	D10-7
CONSFS – Freestanding Siamese Fire Department Connection	D10-8
CONSIA – Siamese Fire Department Connection	D10-8
CONSNG – Single Fire Department Connection	D10-8
CPESR – Elevator Status/Recall	D10-8
CPFAC – Fire Alarm Communicator	D10-8
CPFCP – Fire Alarm Control Panel	D10-8
CPFSA – Fire System Annunciator	D10-8
CPFTR – Fire Alarm Transponder or Transmitter	D10-8
CPHCP – Halon Control Panel	D10-8
CPHVA – Control Panel for HVAC	D10-9
DCATAA – All-Type Fire Extinguisher, Automatically Actuated	D10-9
DCATMA – All-Type Fire Extinguisher, Manually Actuated	D10-9
DCEABC – Dry Chemical Extinguisher (ABC-Type)	D10-9
DCEBC – Dry Chemical Extinguisher (BC-Type)	D10-9
DCECO2 – CO2 Extinguisher	D10-9
DCEHLN – Halon or Clean Agent	

Extinguisher	D10-9
DCLGAA – Dry Chemical System Auto Act. (Liquid, Gas, Elec. Fires)	D10-9
DCLGMA – Dry Chemical System Man Act. (Liquid, Gas, Elec. Fires)	D10-9
DMPBAR – Barometric Damper	D10-10
DMPFIR – Fire Damper	D10-10
DMPFS – Fire/Smoke Damper	D10-10
DMPSMK – Smoke Damper	D10-10
DRHOLD – Door Holder	D10-10
DTFLAM – Flame Detector	D10-10
DTFLOW – Flow Detector/Switch	D10-10
DTGAS – Gas Detector	D10-10
DTLEVL – Level Detector/Switch	D10-10
DTPRES – Pressure Detector/ Switch	D10-11
DTTAMP – Tamper Detector	D10-11
ELBP1L – 1-Lamp Emergency Light, Battery Powered	D10-11
ELBP2L – 2-Lamp Emergency Light, Battery Powered	D10-11
ELBP3L – 3-Lamp Emergency Light, Battery Powered	D10-11
EPSTA – Emergency Phone Station	D10-11
ESCAPE – Fire Escape	D10-11
EXFOAM – Foam Extinguisher	D10-11
EXITCM – Ceiling Mounted Exit Sign Light	D10-11
EXITLF – Exit Sign, Lighted Face	D10-12
EXITWM – Wall Mounted Exit Sign Light	D10-12
EXWATR – Water Extinguisher	D10-12
FANDCT – Duct Fan	D10-12
FANGEN – General Fan	D10-12
FANWAL – Wall Fan	D10-12
FDOR3 – 3-Hour Rated Fire Door in Wall	D10-12
FDORL3 – Wall w/<3-Hour Rated Door	D10-12
FPDRIV – Fire Pump w/Drives	D10-12
FPPFREE – Free Standing Test Header	D10-13
FPTEST – Wall-Mtd. Test Header	D10-13
FRR1HR – 1-Hour Fire Resistance Rating	D10-13
FRR2HR – 2-Hour Fire Resistance Rating	D10-13
FRR30 – 30 Minute Fire Resistance Rating	D10-13

FRR3HR – 3-Hour Fire Resistance	
Rating.....	D10-13
FRR45 – 45 Minute Fire Resistance	
Rating.....	D10-13
FRR4HR – 4-Hour Fire Resistance	
Rating.....	D10-13
FULLSS – Fully Sprinklered Space.....	D10-13
HD – Heat Detector.....	D10-14
HLNAA – Automatically Actuated Halon	
Extinguishing System.....	D10-14
HLNMA – Manually Actuated Halon	
Extinguishing System.....	D10-14
HOSECS – Hose Station, Charged	
Standpipe.....	D10-14
HOSEDS – Hose Station,	
Dry Standpipe.....	D10-14
HRN1A – Horn w/Light,	
One Assembly.....	D10-14
HRNMIN – Mini Horn.....	D10-14
HRNSA – Horn w/Light,	
Separate Assembly.....	D10-14
HRNSPK – Speaker/Horn	
(Electric Horn).....	D10-14
HYDPR1 – Private Hydrant,	
One-Hose Outlet.....	D10-15
HYDPR2 – Private Housed Hydrant,	
Two-Hose Outlets.....	D10-15
HYDPU2 – Public Hydrant,	
Two-Hose Outlets.....	D10-15
HYDPUP – Public Hydrant, Two-Hose	
Outlets, Pumper Connection.....	D10-15
HYDW2H – Wall Hydrant,	
Two-Hose Outlets.....	D10-15
LITFAS – Light.....	D10-15
MANSTA – Manual Station.....	D10-15
METRFP – Meter.....	D10-15
MNCHRG – Monitor Nozzle,	
Charged.....	D10-15
MNDRY – Monitor Nozzle, Dry.....	D10-16
NONSS – Non-Sprinklered Space.....	D10-16
PARTSS – Partially Sprinklered	
Space.....	D10-16
PURGE – Manual Purge Control.....	D10-16
RISER – Riser.....	D10-16
RSCO2 – CO2 Reel Station.....	D10-16
RSDRYC – Dry Chemical	
Reel Station.....	D10-16
RSFOAM – Foam Reel Station.....	D10-16
SD – Smoke Detector.....	D10-16

SHGARD – Sprinkler Head w/Guard.....	D10-17
SHNUU – Nipped Up Upright	
Sprinkler Head.....	D10-17
SHOUT – Outside Sprinkler Head.....	D10-17
SHPEND – Pendent Sprinkler Head.....	D10-17
SHPNDN – Pendent Sprinkler Head, on	
Drop Nipple.....	D10-17
SHSIDE – Sidewall Sprinkler Head.....	D10-17
SHUPRT – Upright Sprinkler Head.....	D10-17
SMKBAR – Smoke Barrier.....	D10-17
SSNOZZ – Special Spray Nozzle.....	D10-17
THRUST – Thrust Block.....	D10-18
TNKBG – Tank, Below Ground.....	D10-18
TNKHAG – Tank, Horizontal	
Above Ground.....	D10-18
TNKVAG – Tank, Vertical	
Above Ground.....	D10-18
VLVCHA – Alarm Check Valve.....	D10-18
VLVCHK – Check Valve.....	D10-18
VLVDEL – Deluge Valve.....	D10-18
VLVDRY – Dry Pipe Valve.....	D10-18
VLVIBF – Indicating Butterfly	
Valve.....	D10-18
VLVKEY – Key-Operated Valve.....	D10-19
VLVNON – Nonindicating Valve	
(Nonrising Stem).....	D10-19
VLVOSY – OS&Y Valve.....	D10-19
VLVPI – Post Indicator Valve.....	D10-19
VLVPIT – Valve in Pit.....	D10-19
VLVPRE – Preaction Valve.....	D10-19
VLVQOD – Dry Pipe Valve, w/Quick	
Opening Device.....	D10-19
VLVTDS – Valve w/ Tamper	
Detector/Switch.....	D10-19
VNTOPN – Ventilation Openings.....	D10-19
WALARM – Water Motor Alarm.....	D10-20
WATRSS – Water Spray System.....	D10-20
WBDSMA – Water-Based Dry System	
Manually Actuated.....	D10-20
WBDSSA – Water-Based Dry System	
Automatically Actuated.....	D10-20
WBFSAA – Water-Based Foam System	
Automatically Actuated.....	D10-20
WBFSMA – Water-Based Foam System	
Manually Actuated.....	D10-20
WBWSAA – Water-Based Wet System,	
Automatically Actuated.....	D10-20
WBWSMA – Water-Based Wet System,	
Manually Actuated.....	D10-20

Plumbing

Lines

CDRNAF – Condensate Drain.....	D11-3
CLDWTR – Potable Cold Water.....	D11-3
CMPAIR – Compressed Air.....	D11-3
DIOWTR – Deionized Water.....	D11-3
DSTWTR – Distilled Water.....	D11-3
FIRE – Fire Protection Water Supply.....	D11-3
FUELOR – Fuel Oil Return.....	D11-3
FUELOS – Fuel Oil Supply.....	D11-3
FUELOV – Fuel Oil Tank Vent.....	D11-3
HELIUM – Helium.....	D11-4
HWTR – Potable Hot Water.....	D11-4
HWTRR – Potable Hot Water Return.....	D11-4
HYDRGN – Hydrogen.....	D11-4
ICWTR – Industrial Cold Water.....	D11-4
IHWTRR – Industrial Hot Water Return.....	D11-4
IHWTRS – Industrial Hot Water Supply.....	D11-4
INDDRN – Indirect Drain.....	D11-4
LIQNIT – Liquid Nitrogen.....	D11-4
LIQOXY – Liquid Oxygen.....	D11-5
LIQPET – Liquid Petroleum Gas.....	D11-5
NITOXI – Nitrous Oxide.....	D11-5
NITROG – Nitrogen.....	D11-5
NONPOT – Nonpotable Water.....	D11-5
NTGASN – Natural Gas Piping.....	D11-5
OXYGEN – Oxygen.....	D11-5
PNTUBE – Pneumatic Tube Runs.....	D11-5
ROOFDN – Roof Drain.....	D11-5
SFCWTR – Soft Cold Water.....	D11-6
SHWTRR – Sanitizing Hot Water Return (180F).....	D11-6
SHWTRS – Sanitizing Hot Water Supply (180F).....	D11-6
SSWAF – Sanitary Sewer.....	D11-6
STRAF – Storm Drain.....	D11-6
VACAIR – Vacuum Air.....	D11-6
VENT – Vent.....	D11-6
VENTWS – Vent and Waste Combination.....	D11-6

Symbols

CAPSC – Cap.....	D11-9
DRNFUN – Open Drain Funnel.....	D11-9
EL45SC – 45 Degree Elbow.....	D11-9
EL90SC – 90 Degree Elbow.....	D11-9
ELBSC – Base Elbow.....	D11-9
ELDBSC – Double Branch Elbow.....	D11-9
ELLRSC – Long Radius Elbow.....	D11-9
ELODSC – Side Outlet Elbow, Outlet Down.....	D11-9
ELOUSC – Side Outlet Elbow, Outlet Up.....	D11-9
ELSTRT – Street Elbow.....	D11-10
ELTDSC – Turned Down Elbow.....	D11-10
ELTUSC – Turned Up Elbow.....	D11-10
FCO – Floor Cleanout.....	D11-10
FDCO – Floor Drain with Cleanout.....	D11-10
FDDT – Floor Drain with Deep Trap.....	D11-10
FDNT – Floor Drain with No Trap.....	D11-10
FDTP – Floor Drain with Trap Prime.....	D11-10
FDWT – Floor Drain with Trap.....	D11-10
FLBLND – Blind Flange.....	D11-11
FLOW3 – Flow Arrow.....	D11-11
FLRPEN – Iso. Floor Penetration.....	D11-11
GAUGE – Gauge.....	D11-11
HANGRD – Hanger Rod.....	D11-11
HANGSP – Hanger Spring.....	D11-11
ISOEWC – Isometric EWC.....	D11-11
ISOLAV – Isometric Lavatories.....	D11-11
ISOMOP – Isometric Mop Sink.....	D11-11
ISOUR1 – Isometric Wall Mounted Urinals.....	D11-12
ISOWC1 – Isometric Floor Mounted Water Closet.....	D11-12
ISOWC2 – Isometric Wall Mounted Water Closet.....	D11-12
LOOPL – Left Dimension Loop.....	D11-12
LOOPR – Right Dimension Loop.....	D11-12
PLGBFL – Bull Plug, Flanged.....	D11-12
PLGPSC – Pipe Plug.....	D11-12
PRGGCO – Pressure Gauge and Cock.....	D11-12
PUMP – Pump.....	D11-12
PUMPP – Pump (Schematic).....	D11-13
PUMPS – In-Line Pump.....	D11-13
SLEEVE – Sleeve.....	D11-13
STGLAS – Sight Glass.....	D11-13
STRAIN – Strainer.....	D11-13

STRBLO – Blow Off Strainer	D11-13
TDSSC – Double Sweep Tee	D11-13
THERM – Thermometer	D11-13
TRAPST – Steam Trap	D11-13
TSODSC – Tee, Side Outlet, Outlet Down	D11-14
TSOUSC – Tee, Side Outlet, Outlet Up	D11-14
TSSSC – Straight Size Tee	D11-14
TSSWSC – Single Sweep Tee	D11-14
UNIOSC – Union	D11-14
VA3WAM – 3-Way Air Motor Controlled Valve	D11-14
VA3WEM – 3-Way Electric Motor Controlled Valve	D11-14
VA3WM – 3-Way Manual Valve	D11-14
VAAHOS – Angle Hose Valve	D11-14
VABALL – Ball Valve	D11-15
VABFLY – Butterfly Valve	D11-15
VACWR – Condenser Water Regulating Valve	D11-15
VADISC – Diaphragm Valve	D11-15
VAEMTR – Valve Actuator Electric Motor	D11-15
VAESOL – Valve Actuator Electric Solenoid	D11-15
VAGAMC – Air Motor Controlled Gate Valve	D11-15
VAGLAM – Air Motor Controlled Globe Valve	D11-15
VAGLE – Angle Globe Valve (Elevation)	D11-15
VAGLSE – Globe Valve	D11-16
VAGSE – Angle Gate Valve, (Elevation)	D11-16
VAGSP – Angle Gate Valve (Plan)	D11-16
VAGTSE – Gate Valve	D11-16
VAHASC – Hose Angle Valve	D11-16
VAHGLS – Hose Globe Valve	D11-16
VAHGSC – Hose Gate Valve	D11-16
VALSSC – Lock Shield Valve	D11-16
VAMAGS – Magnetic Stop Valve	D11-16
VAMNNS – Valve Actuator Manual Nonrising Stem	D11-17
VAMOGS – Motor Operated Gate Valve	D11-17
VAMOLS – Motor Operated Globe Valve	D11-17
VAMOSY – Valve Actuator Manual	

Outside Stem & Yoke	D11-17
VANEED – Needle Valve	D11-17
VAPLUG – Plug Valve	D11-17
VAPMTD – Valve Actuator Pneumatic Motor Diaphragm	D11-17
VAPRED – Pressure Reducing Valve	D11-17
VAPRRD – Pressure Reducing Valve	D11-17
VAQOSC – Quick Opening Valve	D11-18
VARELF – Relief or Safety Valve	D11-18
VASCE – Angle Globe Valve (Elevation)	D11-18
VASCP – Angle Globe Valve (Plan)	D11-18
VASFSC – Safety Valve	D11-18
VASGCH – Swing Gate Check Valve	D11-18
VASNAP – Snap Action Valve	D11-18
VASOLN – Solenoid Valve	D11-18
VASPCV – Spring Check Valve	D11-18
VASTSC – Gate Elbow	D11-19
VASWSC – Straight Way Check Valve	D11-19
VATPR – Temperature Pressure Relief Valve	D11-19
VLVCHK – Check Valve	D11-19

Mechanical

Lines

ACIDWS – Acid Waste	D12-3
AIRRLF – Atmospheric Vent	D12-3
BOILBD – Boiler Blow Down	D12-3
BRINER – Brine Return	D12-3
BRINES – Brine Supply	D12-3
CDRNAF – Condensate Drain	D12-3
CMPAIR – Compressed Air	D12-3
CONDP – Pumped Condensate	D12-3
CONDWR – Condenser Water Return	D12-3
CONDWS – Condenser Water Supply	D12-4
CWR – Chilled Water Return	D12-4
CWS – Chilled Water Supply	D12-4
DTR – Dual Temperature Return	D12-4
DTS – Dual Temperature Supply	D12-4
FILL – Fill Line	D12-4
GHR – Glycol Heating Return	D12-4
GHS – Glycol Heating Supply	D12-4
HPCNDR – High Pressure Condensate	D12-4

HTHWR – High Temperature Hot Water Return.....	D12-5
HTHWS – High Temperature Hot Water Supply.....	D12-5
HUMID – Humidification Line.....	D12-5
HWR – Low Temperature Hot Water Return.....	D12-5
HWS – Low Temperature Hot Water Supply.....	D12-5
ICWTR – Industrial Cold Water.....	D12-5
IHWTRR – Indust. Hot Water Return ..	D12-5
IHWTRS – Indust. Hot Water Supply ..	D12-5
IWASTE – Industrial Waste	D12-5
LPCNDR – Low Pressure Condensate ..	D12-6
MAKEUP – Make Up Water	D12-6
MPCNDR – Medium Pressure Condensate.....	D12-6
MTHWR – Medium Temperature Hot Water Return	D12-6
MTHWS – Medium Temperature Hot Water Supply	D12-6
NONPOT – Nonpotable Water.....	D12-6
PNTUBE – Pneumatic Tube Runs.....	D12-6
REFRL – Refrigerant Liquid	D12-6
REFRS – Refrigerant Suction	D12-6
STEAMH – High Pressure Steam.....	D12-7
STEAML – Low Pressure Steam.....	D12-7
STEAMM – Medium Pressure Steam ..	D12-7
TUVANE – Turning Vanes	D12-7
VACAIR – Vacuum Air.....	D12-7
VACPD – Vacuum Pump Discharge	D12-7

Symbols

ACCDOR – Duct Access Door.....	D12-11
AGUIDE – Alignment Guide.....	D12-11
AIRELM – Air Eliminator	D12-11
AIRIN – Air In	D12-11
AIRSEP – Air Separator	D12-11
ANCHRI – Anchor.....	D12-11
AVENTA – Automatic Air Vent	D12-11
AVENTM – Manual Air Vent	D12-11
BALLJT – Ball Joint.....	D12-11
BUSHSC – Bushing.....	D12-12
CAPSC – Cap.....	D12-12
CAPTUB – Capillary Tube.....	D12-12
CDRND – Round Ceiling Diffuser	D12-12
CDSQR – Square Ceiling Diffuser	D12-12

CFM2X3 – Airflow CFM.....	D12-12
CFM2X4 – Airflow CFM.....	D12-12
CFM3X4 – Airflow CFM.....	D12-12
COCKSC – Cock	D12-12
CREDESC – Concentric Reducer	D12-13
CRSRSC – Cross	D12-13
CUPJNT – Coupling Joint	D12-13
DCTHTR – Electric Duct Heater.....	D12-13
DMPEOC – Electric Operated Damper Control.....	D12-13
DMPFIR – Fire Damper.....	D12-13
DMPFS – Fire Smoke Damper	D12-13
DMPPOD – Pneumatic Damper	D12-13
DMPSMK – Smoke Damper	D12-13
DPRSD – Duct Pressure Class Down.....	D12-14
DPRSH – Duct Pressure Class Horiz ..	D12-14
DPRSL – Duct Pressure Class Left	D12-14
DPRSR – Duct Pressure Class Right ..	D12-14
DPRSU – Duct Pressure Class Up.....	D12-14
DPRSV – Duct Pressure Class Vert ...	D12-14
DRIER – Drier.....	D12-14
EEQ2X2 – Electrical Equipment 2X2 Mark	D12-14
EEQ2X3 – Electrical Equipment 2X3 Mark	D12-14
EEQ2X4 – Electrical Equipment 2X4 Mark	D12-15
EEQ3X2 – Electrical Equipment 3X2 Mark	D12-15
EEQ3X3 – Electrical Equipment 3X3 Mark	D12-15
EEQ3X4 – Electrical Equipment 3X4 Mark	D12-15
EL45SC – 45 Degree Elbow.....	D12-15
EL90SC – 90 Degree Elbow.....	D12-15
ELBSC – Base Elbow	D12-15
ELDBSC – Double Branch Elbow.....	D12-15
ELLRSC – Long Radius Elbow.....	D12-15
ELODSC – Side Outlet Elbow, Outlet Down	D12-16
ELOUSC – Side Outlet Elbow, Outlet Up	D12-16
ELSTRT – Street Elbow	D12-16
ELTDSC – Turned Down Elbow.....	D12-16
ELTUSC – Turned Up Elbow.....	D12-16
EREDSC – Eccentric Reducer	D12-16
EXPJNT – Expansion Joint	D12-16
FANERV – Exhaust Roof Vent Fan.....	D12-16

FANLRV – Louvered Roof	
Vent Fan.....	D12-16
FANSRV – Intake Roof Vent Fan.....	D12-17
FLBLND – Blind Flange.....	D12-17
FLOW1 – Air Flow Direction Arrow.....	D12-17
FLRPEN – Iso. Floor Penetration.....	D12-17
FLXCON – Flexible Connector.....	D12-17
GAUGE – Gauge.....	D12-17
GRILEX – Exhaust Grille.....	D12-17
GRILSU – Supply Grille.....	D12-17
HANGRD – Hanger Rod.....	D12-17
HANGSP – Hanger Spring.....	D12-18
HSENS – Humidity Sensor.....	D12-18
HSTAT – Humidistat.....	D12-18
LNDIFF – Linear Diffuser.....	D12-18
LOOPL – Left Dimension Loop.....	D12-18
LOOPR – Right Dimension Loop.....	D12-18
LOUOPN – Door or Wall Louver	
Opening.....	D12-18
PIDROP – Pitch or Pipe Drop.....	D12-18
PIRISE – Pitch or Pipe Rise.....	D12-18
PLGBFL – Bull Plug, Flanged.....	D12-19
PLGPSC – Pipe Plug.....	D12-19
PRGGCO – Pressure Gage	
and Cock.....	D12-19
PSDIFF – Pump Suction Diffuser.....	D12-19
PUMP – Pump.....	D12-19
PUMPP – Pump (Schematic).....	D12-19
PUMPS – In-Line Pump.....	D12-19
SCALET – Scale Trap.....	D12-19
SLEEVE – Sleeve.....	D12-19
STGLAS – Sight Glass.....	D12-20
STRAIN – Strainer.....	D12-20
STRBLO – Blow Off Strainer.....	D12-20
SUPOUT – Supply Outlet	
(Wall Supply).....	D12-20
TDSSC – Double Sweep Tee.....	D12-20
THERM – Thermometer.....	D12-20
THERMW – Thermometer Well.....	D12-20
THHRB – Thermostat, Remote Bulb.....	D12-20
THHSC – Thermostat, Self	
Contained (HVAC).....	D12-20
THLPRS – Thermostat, Low Pressure.....	D12-21
THMCP – Thermostat,	
Microprocessor.....	D12-21
THPELE – Thermostat, Electric.....	D12-21
THPPNE – Thermostat, Pneumatic.....	D12-21
TMPSEN – Temperature Sensor.....	D12-21
TODSC – Tee, Outlet Down.....	D12-21

TOUSC – Tee, Outlet Up.....	D12-21
TRAPFL – Float Trap.....	D12-21
TRAPFT – Float and Thermostatic	
Trap.....	D12-21
TRAPST – Steam Trap.....	D12-22
TRAPTB – Thermostatic Blast	
Trap.....	D12-22
TSODSC – Tee, Side Outlet,	
Outlet Down.....	D12-22
TSOUSC – Tee, Side Outlet,	
Outlet Up.....	D12-22
TSSSC – Straight Size Tee.....	D12-22
TSSWSC – Single Sweep Tee.....	D12-22
UNIOSC – Union.....	D12-22
VA3WAM – 3-Way Air Motor	
Controlled Valve.....	D12-22
VA3WEM – 3-Way Electric Motor	
Controlled Valve.....	D12-22
VA3WM – 3-Way Manual Valve.....	D12-23
VAAHOS – Angle Hose Valve.....	D12-23
VABALL – Ball Valve.....	D12-23
VABFLY – Butterfly Valve.....	D12-23
VACWR – Condenser Water	
Regulating Valve.....	D12-23
VADISC – Diaphragm Valve.....	D12-23
VAEMTR – Valve Actuator Electric	
Motor.....	D12-23
VAESOL – Valve Actuator Electric	
Solenoid.....	D12-23
VAFLSC – Float Valve.....	D12-23
VAGAMC – Air Motor Controlled	
Gate Valve.....	D12-24
VAGLAM – Air Motor Controlled	
Globe Valve.....	D12-24
VAGLE – Angle Globe Valve.....	D12-24
VAGLSE – Globe Valve.....	D12-24
VAGSE – Angle Gate Valve.....	D12-24
VAGSP – Angle Gate Valve.....	D12-24
VAGTSE – Gate Valve.....	D12-24
VAHASC – Hose Angle Valve.....	D12-24
VAHGLS – Hose Globe Valve.....	D12-24
VAHGSC – Hose Gate Valve.....	D12-25
VALSSC – Lock Shield Valve.....	D12-25
VAMAGS – Magnetic Stop Valve.....	D12-25
VAMNNS – Valve Actuator Manual	
Nonrising Stem.....	D12-25
VAMOGS – Motor Operated Gate	
Valve.....	D12-25

VAMOLS – Motor Operated Globe Valve.....	D12-25
VAMOSY – Valve Actuator Manual Outside Stem & Yoke.....	D12-25
VANEED – Needle Valve.....	D12-25
VAPLUG – Plug Valve.....	D12-25
VAPMTD – Valve Actuator Pneumatic Motor Diaphragm	D12-26
VAPRED – Pressure Reducing Valve	D12-26
VAPRRD – Pressure Reducing Valve.....	D12-26
VAQOSC – Quick Opening Valve.....	D12-26
VARELF – Relief or Safety Valve.....	D12-26
VASCE – Angle Globe Valve.....	D12-26
VASCP – Angle Globe Valve.....	D12-26
VASFSC – Safety Valve.....	D12-26
VASGCH – Swing Gate Check Valve	D12-26
VASNAP – Snap Action Valve	D12-27
VASOLN – Solenoid Valve.....	D12-27
VASPCH – Spring Check Valve.....	D12-27
VASTSC – Gate Valve.....	D12-27
VASWSC – Straight Way Check Valve.....	D12-27
VATPR – Temperature Pressure Relief Valve	D12-27

Electrical

Lines

BUSWAY – Busway.....	D13-3
CABLTV – Cable TV.....	D13-3
COMARN – New Communication, Aerial	D13-3
COMARX – Existing Communication, Aerial	D13-3
COMUGN – New Communication, Underground	D13-3
COMUGX – Existing Communication, Underground	D13-3
CONDFL – Flexible Conduit.....	D13-3
DUCTTR – Trolley Duct	D13-3
EPARN – New Electrical Primary, Aerial	D13-3
EPARX – Existing Electrical Primary, Aerial	D13-4

EPUGN – New Electrical Primary, Underground	D13-4
EPUGX – Existing Electrical Primary, Underground	D13-4
ESARN – New Electrical Secondary, Aerial	D13-4
ESARX – Existing Electrical Secondary, Aerial	D13-4
ESUGN – New Electrical Secondary, Underground	D13-4
ESUGX – Existing Electrical Secondary, Underground	D13-4
EUDUCN – New Duct Bank, Underground	D13-4
EUDUCX – Existing Duct Bank, Underground	D13-4
FIBOPT – Fiber Optics Line	D13-5
LADDER – Cable Ladder	D13-5
WIREWY – Wireway.....	D13-5

Symbols

IDIR – Direction Arrow.....	D13-9
2DIR – Double Direction Arrow.....	D13-9
ACCBIO – Biometric Access Control..	D13-9
ACLLEL – Elevated Approach Lightbar	D13-9
ACLLSF – Semiflush Approach Lightbar	D13-9
AERROD – Aerial Rod.....	D13-9
AFBCN – Airfield Beacon.....	D13-9
ANNUN – Annunciator	D13-9
ANNUNT – Local Control Annunciation Unit	D13-9
ARREST – Lightning Arrestor	D13-10
BARMKR – Barrier Marker	D13-10
BATTERY – Battery.....	D13-10
BELL – Bell	D13-10
BUZZER – Buzzer.....	D13-10
CAPCTR – Capacitor	D13-10
CARDRD – Card Reader.....	D13-10
CBDOUT – Drawout Circuit Breaker	D13-10
CBMCAS – Molded Case Circuit Breaker.....	D13-10
CHIME – Chime	D13-11
CKTID – Circuit ID Symbol.....	D13-11
CLOCKW – Clock Outlet, Wall Mounted.....	D13-11

CMHLN – New Communication	
Manhole	D13-11
CMHLX – Existing Communication	
Manhole	D13-11
CMPANL – Communication Panel.....	D13-11
CPLTM – Circuit Line Terminator	D13-11
CPREC2 – Cathodic Protection	
Rectifier	D13-11
CPSAN – Cathodic Protection	
Sacrificial Anode	D13-11
CPTEST – Cathodic Protection	
Test Station.....	D13-12
DBID – Ductbank ID Symbol	D13-12
DGUYN – New Downguy	D13-12
DGUYR – To Be Removed	
Downguy	D13-12
DOROPN – Electric Door Opener	D13-12
DSTMKR – Runway Distance	
Marker.....	D13-12
DTHL – Displaced Threshold Light	D13-12
DXFMR – Dry Type Transformer	D13-12
EHHLN – New Electrical Handhole	D13-12
EHHLX – Exist. Electrical Handhole	D13-13
ELBP1L – 1 Lamp Emergency Light	D13-13
ELBP2L – 2 Lamp Emergency Light	D13-13
ELBP3L – 3 Lamp Emergency Light	D13-13
EMHLN – New Electrical Manhole.....	D13-13
EMHLX – Exist. Electrical Mahole.....	D13-13
EPBXN – New Electrical Pullbox.....	D13-13
EPBXX – Exist. Electrical Pullbox.....	D13-13
ERECPT – Emergency Receptacle	D13-13
EXITCM – Ceiling Mtd. Exit Light.....	D13-14
EXITLF – Exit Sign Lighted Face	D13-14
EXITWM – Wall Mounted Exit	
Sign Light	D13-14
FAN – Ceiling Fan	D13-14
FIXSPB – Surface Pendant Battery	
Fixture.....	D13-14
FIXSPQ – Surface Pendant Battery	
Quartz Restrike.....	D13-14
FIXSPR – Surface Pendant Battery	
Receptacle.....	D13-14
FIXWM – Wall Mounted Fixture	D13-14
FIXWMB – Wall Mounted Battery	
Fixture.....	D13-14
FL14WB – 1 X 4 Wall Mounted Fixture	
w/Battery.....	D13-15
FL14WM – 1 X 4 Wall Mounted	
Fixture.....	D13-15

FL1X4 – 1 X 4 Light Fixture.....	D13-15
FL1X4B – 1 X 4 Light Fixture	
w/Battery	D13-15
FL1X4C – 1 X 4 Light Fixture,	
Continuous.....	D13-15
FL2X2 – 2 X 2 Light Fixture.....	D13-15
FL2X2B – 2 X 2 Light Fixture	
w/Battery	D13-15
FL2X2C – 2 X 2 Light Fixture,	
Continuous.....	D13-15
FL2X4 – 2 X 4 Light Fixture.....	D13-15
FL2X4B – 2 X 4 Light Fixture	
w/Battery	D13-16
FL2X4C – 2 X 4 Light Fixture,	
Continuous.....	D13-16
FLTN – New Floodlight.....	D13-16
FLTR – To Be Removed Floodlight	D13-16
FLTX – Existing Floodlight.....	D13-16
FUSRAT – Fuse with Rating.....	D13-16
GENRTR – Generator.....	D13-16
GRDROD – Grounding Rod.....	D13-16
GROUND – Earth Ground	D13-16
HAS1H – 1 Hot Leg.....	D13-17
HAS1N – 1 Neutral Leg.....	D13-17
HAS1S – 1 Switch Leg	D13-17
HAS2H – 2 Hot Legs	D13-17
HAS2S – 2 Switch Legs.....	D13-17
HAS3HN – 3 Hot, 1 Neutral Leg.....	D13-17
HAS3MK – Hot/Neutral/Ground.....	D13-17
HAS3S – 3 Switch Legs.....	D13-17
HAS4MK – 2 Hot/Neutral/Ground	D13-17
HAS5MK – 3 Hot/Neutral/Ground	D13-18
HASGND – 1 Ground Leg.....	D13-18
HEDASW – Aerial Service Weather	
Head.....	D13-18
HLL – Hoverlane.....	D13-18
HLLL – Hoverlane Limit Light.....	D13-18
HPIL – Helipad Inset Light.....	D13-18
HPPLEL – Elevated Helipad	
Perimeter Light	D13-18
HPPLSF – Semiflush Helipad	
Perimeter Light	D13-18
HRUN1 – Home Run	D13-18
HRUN2 – Home Run	D13-19
HRUN3 – Home Run	D13-19
JNBX – Junction Box	D13-19
JNBXWM – Wall Mtd. Junction Box	D13-19
KNR – Keyed Note Reference.....	D13-19
KNRM – Keyed Note Reference.....	D13-19

LEADER – Leader Line.....	D13-19
LITEBR – Emergency Battery Power	
Light Remote.....	D13-19
LTPLN – New Light Pole.....	D13-19
LTPLR – To Be Removed Light Pole.....	D13-20
LTPLX – Existing Light Pole.....	D13-20
LTSTRN – New Street Light Bracket.....	D13-20
LTSTRR – To Be Removed Street	
Light Bracket.....	D13-20
LTSTRX – Existing Street Light	
Bracket.....	D13-20
METREL – Electrical Meter.....	D13-20
MICROW – Outdoor Microwave	
Transmit Unit.....	D13-20
MOTRHP – Motor.....	D13-20
OBSTRL – Obstruction Light.....	D13-20
PAPI – PAPI Light Unit.....	D13-21
PBFMC – Flush Mounted	
Panelboard Cabinet.....	D13-21
PBSMC – Surface Mounted	
Panelboard/Cabinet.....	D13-21
PHOTO – Photoelectric Relay.....	D13-21
POLEAR – Aerial Pole w/Guying.....	D13-21
POLEID – Pole Identification Symbol.....	D13-21
PSHST1 – One Pushbutton Station.....	D13-21
PSHST2 – Two Pushbutton Station.....	D13-21
PSHST3 – Three Pushbutton Station.....	D13-21
PWRDVC – Power System Device.....	D13-22
RCNC – Normally Closed Relay	
Contact.....	D13-22
RCNO – Normally Open Relay	
Contact.....	D13-22
RECDFM – Floor Outlet, Double	
Flush Mounted.....	D13-22
RECDSM – Double Surf Mount	
Floor Outlet.....	D13-22
RECDUP – Duplex Receptacle.....	D13-22
RECLOS – Recloser Aerial	
Automatic.....	D13-22
RECPT2 – Special Receptacle.....	D13-22
RECQUA – Quadraplex Receptacle.....	D13-22
RECRAN – Receptacle Range.....	D13-23
RECSDP – Switched Duplex	
Receptacle.....	D13-23
RECSFM – Floor Outlet, Single	
Flush Mounted.....	D13-23
RECSIN – Single Receptacle.....	D13-23
RECSNS – Single Receptacle	

with Switch.....	D13-23
RECSPR – Special Purpose	
Receptacle.....	D13-23
RECSSM – Single Surf Mount	
Floor Outlet.....	D13-23
REIL – Reil Light Unit.....	D13-23
RELYOP – Relay OP Coil.....	D13-23
RESHTR – Elec. Resistance Heater.....	D13-24
RWCLL – Runway Center Light.....	D13-24
RWEL – Runway End Light.....	D13-24
RWLEL – Elevated Runway Edge	
Light.....	D13-24
RWLSF – Semiflush Runway Edge	
Light.....	D13-24
S3ABC – 3 Three Way Switches.....	D13-24
SABC – 3 Single Switches.....	D13-24
SECTAA – Sectionalizer Aerial	
Auto.....	D13-24
SENGV – Generic Volumetric	
Sensor.....	D13-24
SENULS – Ultrasonic Sensor.....	D13-25
SFL – Sequenced Flasher Light.....	D13-25
SLLN – New Streetlight.....	D13-25
SLLR – To Be Removed Streetlight.....	D13-25
SLLX – Existing Streetlight.....	D13-25
SLREG – Constant Current	
Transformer.....	D13-25
SM – Motor Switch.....	D13-25
SOUNDS – Sound System.....	D13-25
STP14 – 1 X 4 Strip, Surface Pendant	
Recessed.....	D13-25
STP14B – 1 X 4 Strip, Surface Pendant	
Recessed w/Battery.....	D13-26
STP18 – 1 X 8 Strip, Surface Pendant	
Recessed.....	D13-26
STP18B – 1 X 8 Strip, Surface Pendant	
Recessed w/Battery.....	D13-26
SUBSTA – Substation.....	D13-26
SWFLNC – Normally Closed	
Float Switch.....	D13-26
SWFLNO – Normally Open	
Float Switch.....	D13-26
SWFNC – Normally Closed	
Flow Switch.....	D13-26
SWFNO – Normally Open Flow	
Switch.....	D13-26
SWFONC – Normally Closed	
Foot-Operated Switch.....	D13-26

SWI2WY – Double Pole Switch.....	D13-27
SWI3WY – Three Way Switch.....	D13-27
SWI4WY – Four Way Switch.....	D13-27
SWICB – Circuit Breaker	D13-27
SWIDIS – Disconnect Switch	D13-27
SWIDM1 – Dimmer.....	D13-27
SWIDM2 – Dimmer Switch.....	D13-27
SWIDUR – Duress Switch.....	D13-27
SWIFUS – Fused Switch.....	D13-27
SWIKEY – Key-Operated Switch.....	D13-28
SWILVM – Low Voltage Master Switch.....	D13-28
SWITCH – Single Pole Switch	D13-28
SWITIM – Timer Operated Switch.....	D13-28
SWLAMP – Lamp Holder Pole Switch	D13-28
SWLNC – Normally Closed Limit Switch	D13-28
SWLNO – Normally Open Limit Switch	D13-28
SWMULT – Multiposition Switch	D13-28
SWPADN – New Switchpad.....	D13-28
SWPADX – Existing Switchpad.....	D13-29
SWPCM – Ceiling Mounted Pull Switch.....	D13-29
SWPCOI – Pressure Switch-Close on Increase	D13-29
SWPOOI – Pressure Switch-Open on Increase	D13-29
SWSBRK – Single Break Switch.....	D13-29
SWTANC – Normally Closed Temp Activated Switch.....	D13-29
SWTANO – Normally Open Temp Activated Switch.....	D13-29
SWTDNC – Normally Closed Time Delay Switch.....	D13-29
SWTDNO – Normally Open Time Delay Switch.....	D13-29
TDZL – Touchdown Zone Light.....	D13-30
THL – Threshold Light	D13-30
TOWER – Transmission Tower.....	D13-30
TRFSIG – Traffic Signal Mast Arm.....	D13-30
TSCTRL – Traffic Signal Controller.....	D13-30
TSHEAD – Traffic Signal Head	D13-30
TSPBX – Traffic Signal Pullbox	D13-30
TSPHS – Traffic Signal Phase #, Thru.....	D13-30
TSPHT – Traffic Signal Phase #, Turn.....	D13-30

TSTAT – Thermostat.....	D13-31
TSVLDT – Traffic Signal Vehicle Loop Detector.....	D13-31
TVOUT – Television Outlet	D13-31
TWCLL – Taxiway Centerline Light.....	D13-31
TWELEL – Elevated Taxiway End Light.....	D13-31
TWELSF – Semiflush Taxiway End Light.....	D13-31
TWGSGN – Taxiway Guidance Sign.....	D13-31
TWLEL – Elevated Taxiway Edge Light.....	D13-31
TWLSF – Semiflush Taxiway Edge Light.....	D13-31
UTPLN – New Pole	D13-32
UTPLR – To Be Removed Pole.....	D13-32
UTPLX – Existing Pole	D13-32
WINDCN – Windcone	D13-32
WYECON – XFMR Wye Connection.....	D13-32
WYEXGC – XFMR Grounded Connection.....	D13-32
XFRPLN – New XFMR Pole	D13-32
XFRPLR – To Be Removed XFMR Pole	D13-32
XFRPLX – Existing XFMR Pole	D13-32
XFRPMN – New XFMR Pad	D13-33
XFRPMR – To Be Removed XFMR Pad	D13-33
XFRPMX – Existing XFMR Pad	D13-33

Telecommunications

Lines

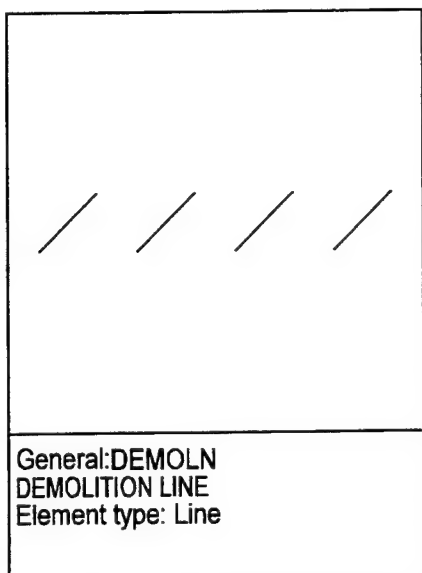
FIBOPT – Fiber Optics Line	D14-3
WIREWY – Wireway.....	D14-3

Symbols

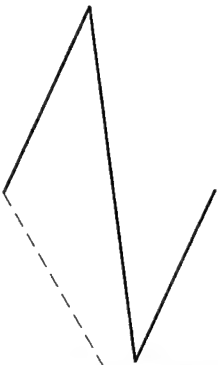

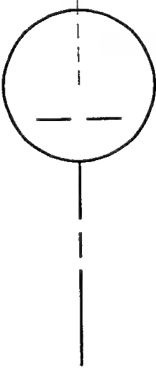
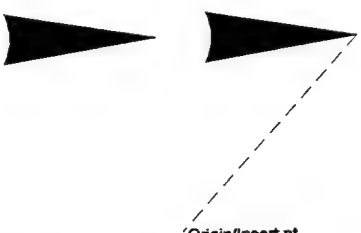
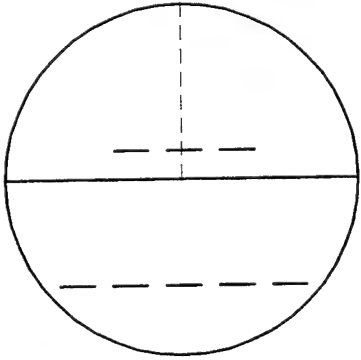
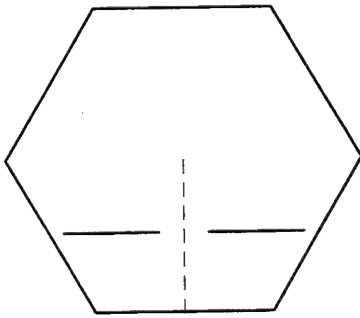
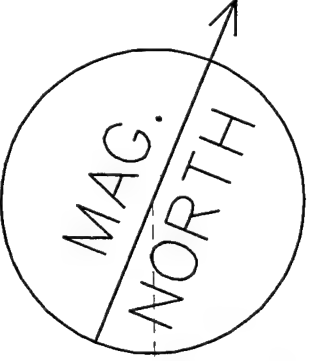
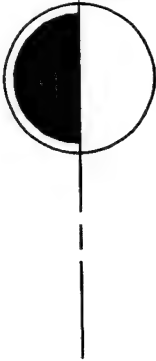
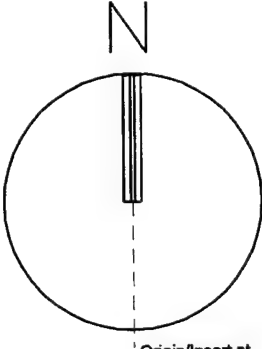
GRDROD – Grounding Rod.....	D14-7
RECDC – Data Communication Wall Receptacle.....	D14-7
RECDCF – Data Communication Floor Receptacle.....	D14-7
RECTDF – Telephone/Data Floor Receptacle.....	D14-7

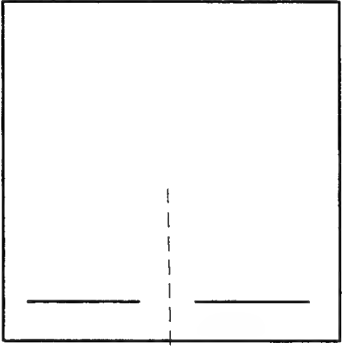
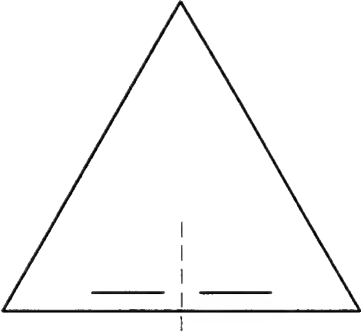
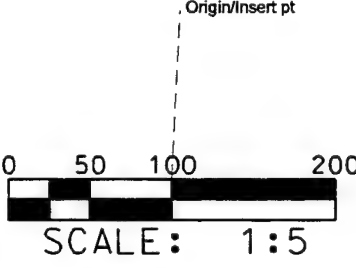
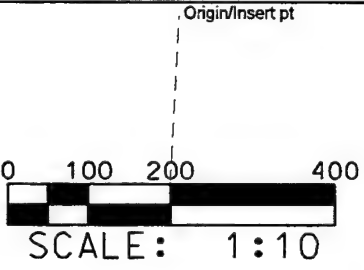
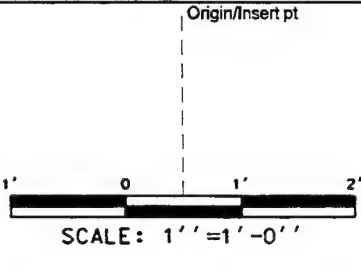
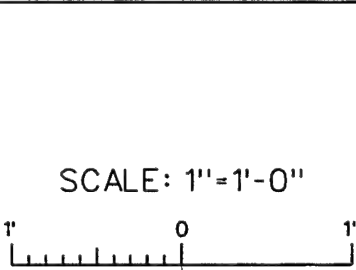
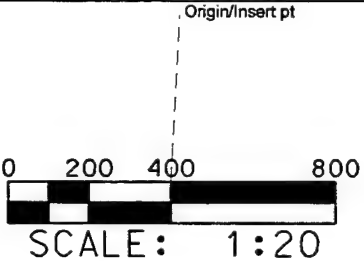
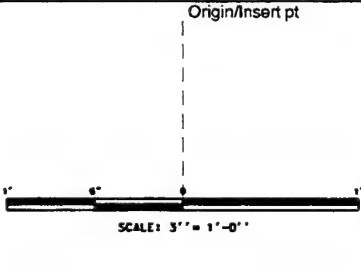
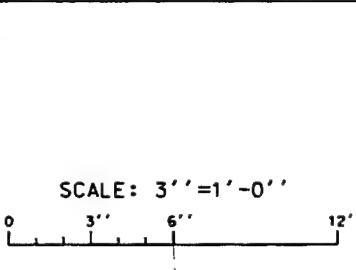
RECTDW – Telephone/Data Wall
 Receptacle.....D14-7
RECTEF – Telephone Floor
 Receptacle.....D14-7
RECTEL – Telephone Wall ReceptacleD14-7
TBOOTH – Telephone Booth.....D14-7

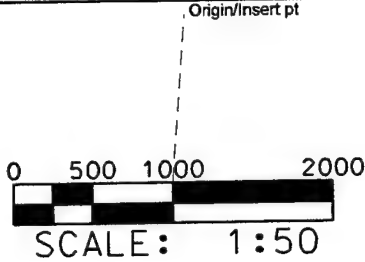
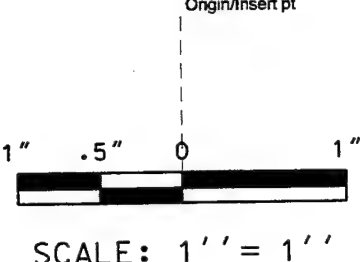
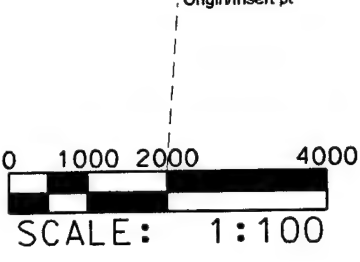
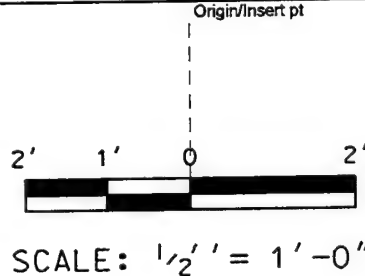
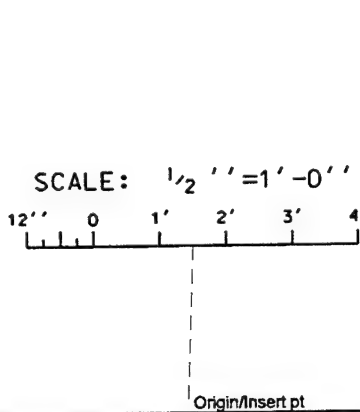
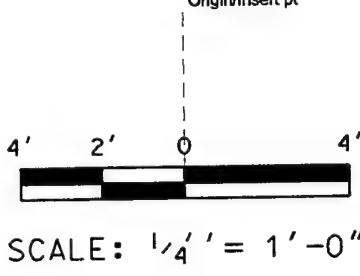
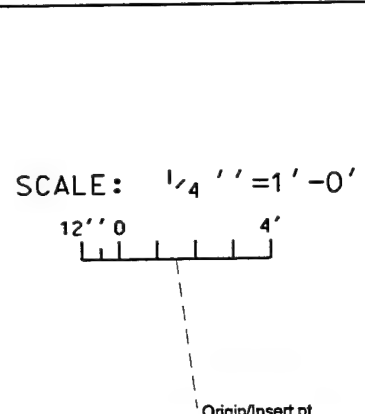
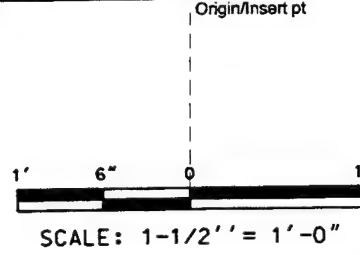
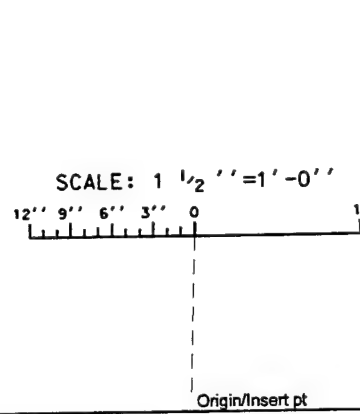
1 General Lines Library

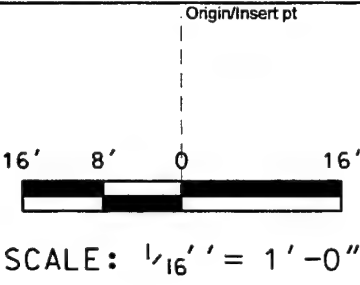
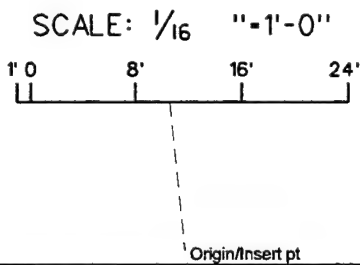
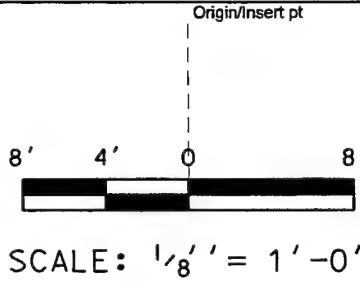
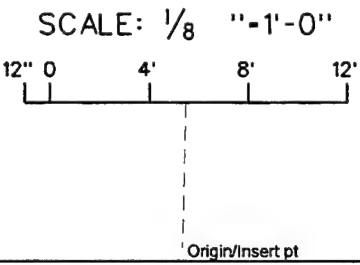
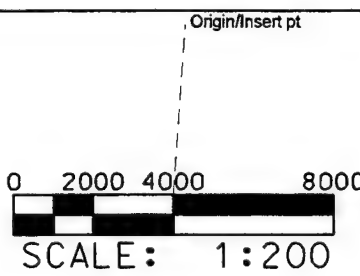
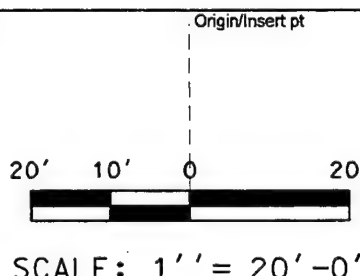
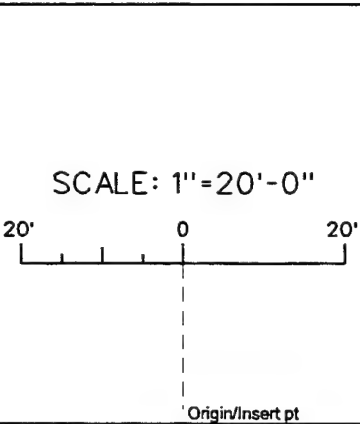
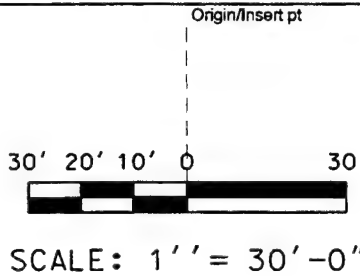
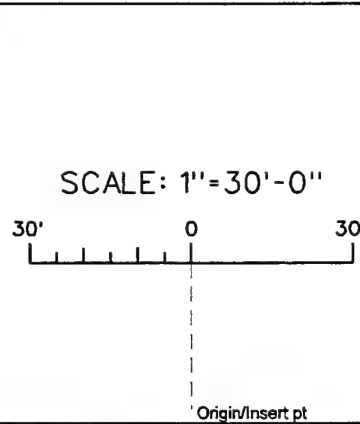


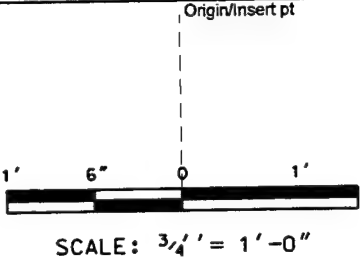
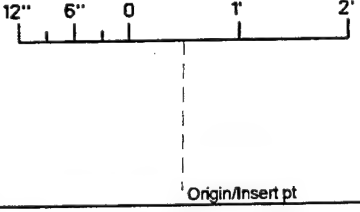
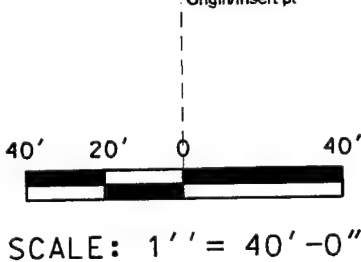
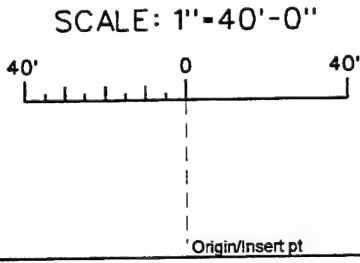
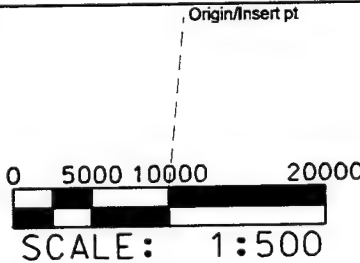
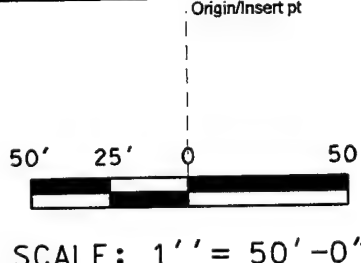
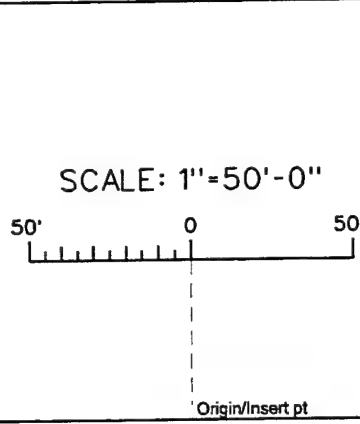
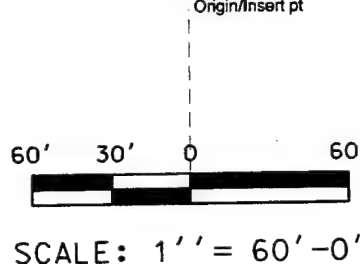
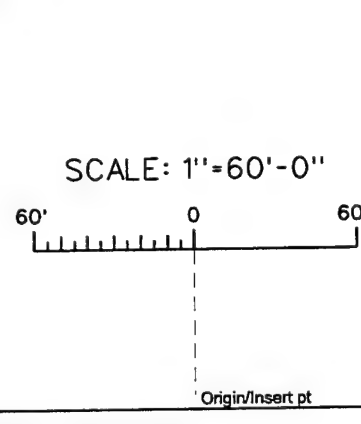
1 General Symbols Library

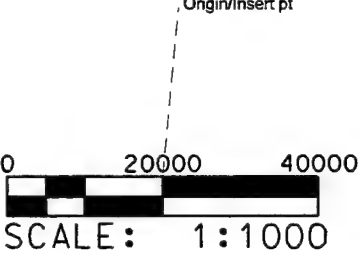
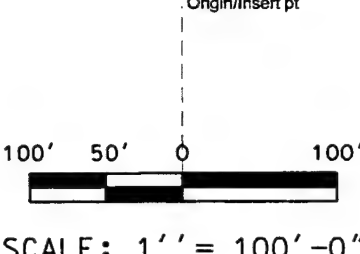
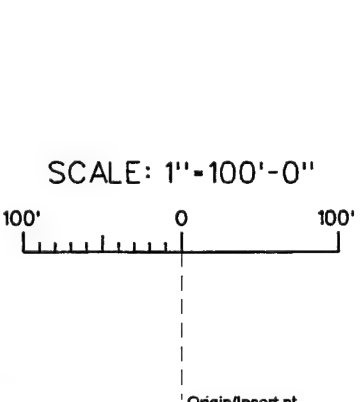
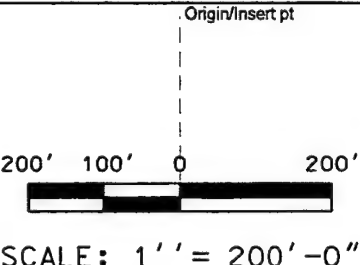
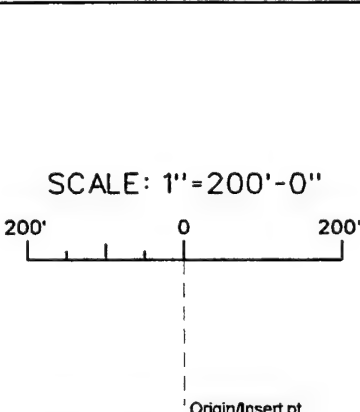
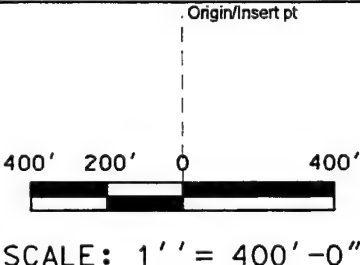
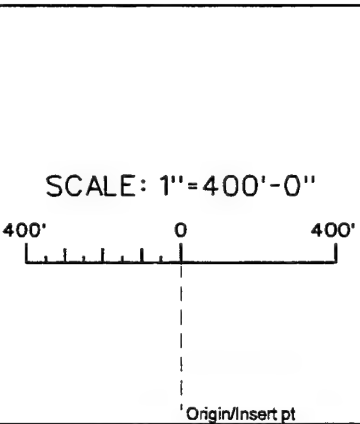
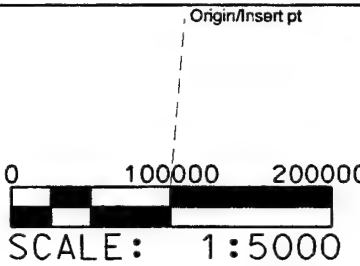
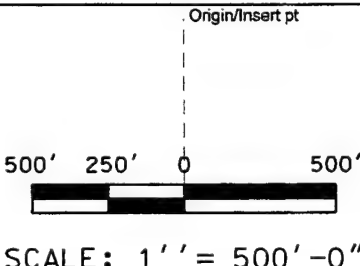
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>General: BREAK BREAK LINE SYMBOL Element type: Symbol</p>	<p>General: CNTLIN CENTERLINE SYMBOL Element type: Symbol</p>	<p>General: COLLIN COLUMN LINE GRID INDICATOR Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>General: DBLARR DOUBLE ARROW TERMINATOR Element type: Symbol</p>	<p>General: DTLIND DETAIL INDICATOR Element type: Symbol</p>	<p>General: KEYIND KEYNOTE INDICATOR Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>General: MAGNOR MAGNETIC NORTH ARROW Element type: Symbol</p>	<p>General: MATIND MATCH LINE INDICATOR Element type: Symbol</p>	<p>General: NORIND NORTH INDICATOR Element type: Symbol</p>

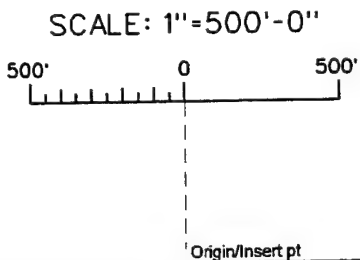
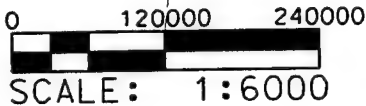
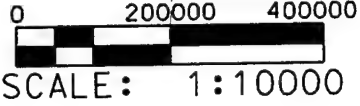
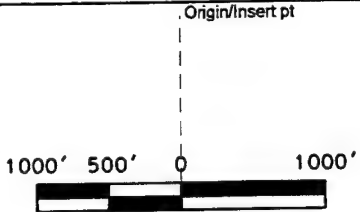
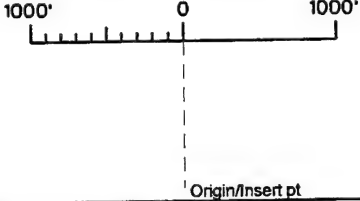
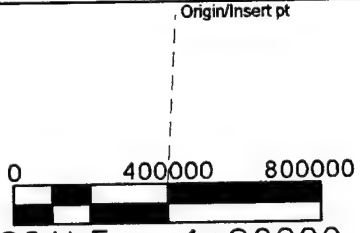
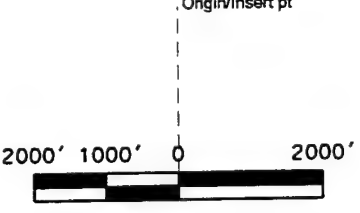
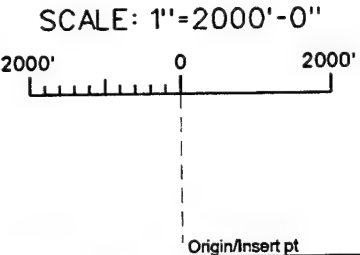
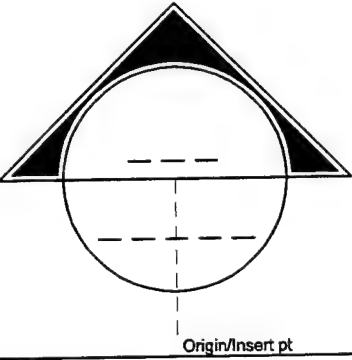
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>General:NOTIND NOTE INDICATOR Element type: Symbol</p>	<p>General:REVIND REVISION INDICATOR Element type: Symbol</p>	<p>General:S00005 SCALE 1 EQ 5 Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>General:S00010 SCALE 1 EQ 10 Element type: Symbol</p>	<p>General:S0001B SCALE 1IN EQ 1FT Element type: Symbol</p>	<p>General:S0001G SCALE 1IN EQ 1FT Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>General:S00020 SCALE 1 EQ 20 Element type: Symbol</p>	<p>General:S0003B SCALE 3IN EQ 1FT Element type: Symbol</p>	<p>General:S0003G SCALE 3IN EQ 1FT Element type: Symbol</p>

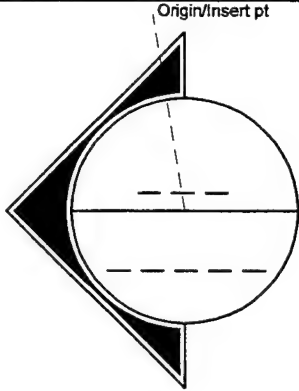
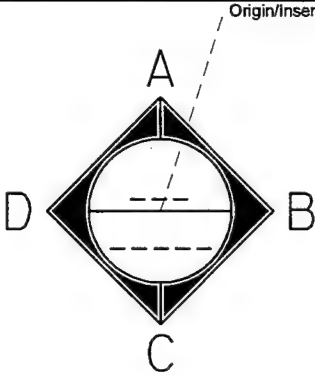
 <p>SCALE: 1:50</p>	 <p>SCALE: 1" = 1'</p>	 <p>SCALE: 1:100</p>
<p>General:S00050 SCALE 1 EQ 50 Element type: Symbol</p>	<p>General:S000B SCALE FULL Element type: Symbol</p>	<p>General:S00100 SCALE 1 EQ 100 Element type: Symbol</p>
 <p>SCALE: 1/2" = 1'-0"</p>	 <p>SCALE: 1/2" = 1'-0"</p>	 <p>SCALE: 1/4" = 1'-0"</p>
<p>General:S0012B SCALE 0.5IN EQ 1FT Element type: Symbol</p>	<p>General:S0012G SCALE 0.5IN EQ 1FT Element type: Symbol</p>	<p>General:S0014B SCALE 0.25IN EQ 1FT Element type: Symbol</p>
 <p>SCALE: 1/4" = 1'-0"</p>	 <p>SCALE: 1 1/2" = 1'-0"</p>	 <p>SCALE: 1 1/2" = 1'-0"</p>
<p>General:S0014G SCALE 0.25IN EQ 1FT Element type: Symbol</p>	<p>General:S0015B SCALE 1.5IN EQ 1FT Element type: Symbol</p>	<p>General:S0015G SCALE 1.5IN EQ 1FT Element type: Symbol</p>

 <p>General:S0016B SCALE ONE 16TH IN EQ 1FT Element type: Symbol</p>	 <p>General:S0016G SCALE ONE 16TH IN EQ 1FT Element type: Symbol</p>	 <p>General:S0018B SCALE ONE 8TH IN EQ 1FT Element type: Symbol</p>
 <p>General:S0018G SCALE ONE 8TH IN EQ 1FT Element type: Symbol</p>	 <p>General:S00200 SCALE 1 EQ 200 Element type: Symbol</p>	 <p>General:S0020B SCALE 1IN EQ 20FT Element type: Symbol</p>
 <p>General:S0020G SCALE 1IN EQ 20FT Element type: Symbol</p>	 <p>General:S0030B SCALE 1IN EQ 30FT Element type: Symbol</p>	 <p>General:S0030G SCALE 1IN EQ 30FT Element type: Symbol</p>

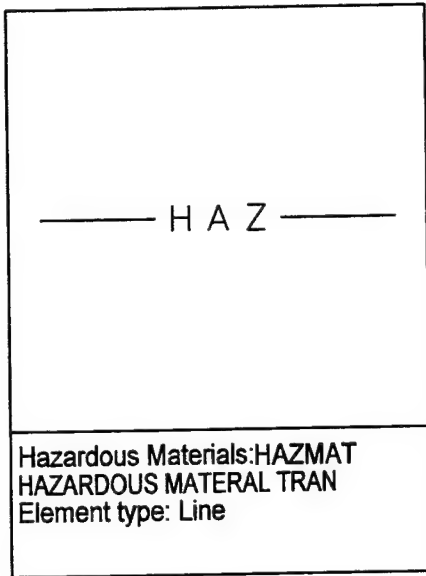
 <p>Origin/Insert pt</p> <p>SCALE: $\frac{3}{4}$" = 1'-0"</p>	 <p>Origin/Insert pt</p> <p>SCALE: $\frac{3}{4}$" = 1'-0"</p>	 <p>Origin/Insert pt</p> <p>SCALE: 1" = 40'-0"</p>
<p>General:S0034B SCALE 0.75IN EQ 1FT Element type: Symbol</p>	<p>General:S0034G SCALE 0.75IN EQ 1FT Element type: Symbol</p>	<p>General:S0040B SCALE 1IN EQ 40FT Element type: Symbol</p>
 <p>Origin/Insert pt</p> <p>SCALE: 1" = 40'-0"</p>	 <p>Origin/Insert pt</p> <p>SCALE: 1:500</p>	 <p>Origin/Insert pt</p> <p>SCALE: 1" = 50'-0"</p>
<p>General:S0040G SCALE 1IN EQ 40FT Element type: Symbol</p>	<p>General:S00500 SCALE 1 EQ 500 Element type: Symbol</p>	<p>General:S0050B SCALE 1IN EQ 50FT Element type: Symbol</p>
 <p>Origin/Insert pt</p> <p>SCALE: 1" = 50'-0"</p>	 <p>Origin/Insert pt</p> <p>SCALE: 1" = 60'-0"</p>	 <p>Origin/Insert pt</p> <p>SCALE: 1" = 60'-0"</p>
<p>General:S0050G SCALE 1IN EQ 50FT Element type: Symbol</p>	<p>General:S0060B SCALE 1IN EQ 60FT Element type: Symbol</p>	<p>General:S0060G SCALE 1IN EQ 60FT Element type: Symbol</p>

 <p>SCALE: 1:1000</p>	 <p>SCALE: 1'' = 100'-0''</p>	 <p>SCALE: 1'' = 100'-0''</p>
<p>General:S01000 SCALE 1 EQ 1000 Element type: Symbol</p>	<p>General:S0100B SCALE 1IN EQ 100FT Element type: Symbol</p>	<p>General:S0100G SCALE 1IN EQ 100FT Element type: Symbol</p>
 <p>SCALE: 1'' = 200'-0''</p>	 <p>SCALE: 1'' = 200'-0''</p>	 <p>SCALE: 1'' = 400'-0''</p>
<p>General:S0200B SCALE 1IN EQ 200FT Element type: Symbol</p>	<p>General:S0200G SCALE 1IN EQ 200FT Element type: Symbol</p>	<p>General:S0400B SCALE 1IN EQ 400FT Element type: Symbol</p>
 <p>SCALE: 1'' = 400'-0''</p>	 <p>SCALE: 1:5000</p>	 <p>SCALE: 1'' = 500'-0''</p>
<p>General:S0400G SCALE 1IN EQ 400FT Element type: Symbol</p>	<p>General:S05000 SCALE 1 EQ 5000 Element type: Symbol</p>	<p>General:S0500B SCALE 1IN EQ 500FT Element type: Symbol</p>

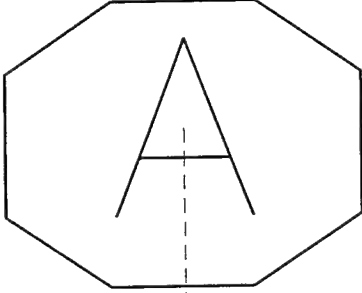
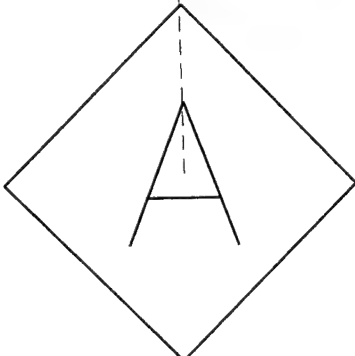
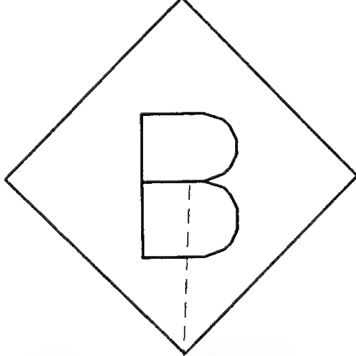

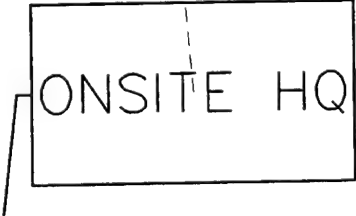


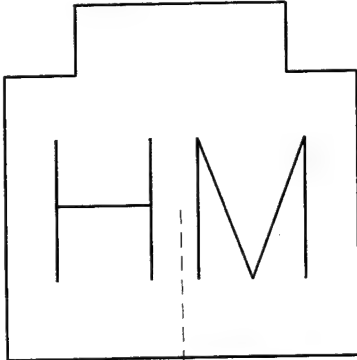
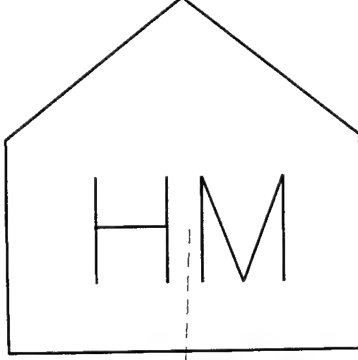
 <p>SCALE: 1"=500'-0"</p>	 <p>SCALE: 1:6000</p>	 <p>SCALE: 1:10000</p>
<p>General:S0500G SCALE 1IN EQ 500FT Element type: Symbol</p>	<p>General:S06000 SCALE 1 EQ 6000 Element type: Symbol</p>	<p>General:S10000 SCALE 1 EQ 10000 Element type: Symbol</p>
 <p>SCALE: 1"=1000'-0"</p>	 <p>SCALE: 1"=1000'-0"</p>	 <p>SCALE: 1:20000</p>
<p>General:S1000B SCALE 1IN EQ 1000FT Element type: Symbol</p>	<p>General:S1000G SCALE 1IN EQ 1000FT Element type: Symbol</p>	<p>General:S20000 SCALE 1 EQ 20000 Element type: Symbol</p>
 <p>SCALE: 1"=2000'-0"</p>	 <p>SCALE: 1"=2000'-0"</p>	
<p>General:S2000B SCALE 1IN EQ 2000FT Element type: Symbol</p>	<p>General:S2000G SCALE 1IN EQ 2000FT Element type: Symbol</p>	<p>General:SECIN1 SECTION ELEVATION INDICATOR Element type: Symbol</p>

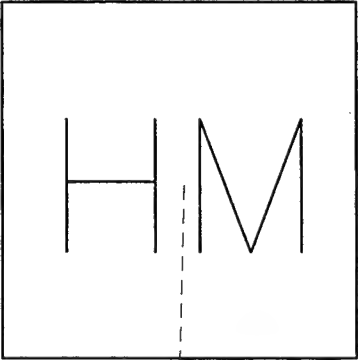
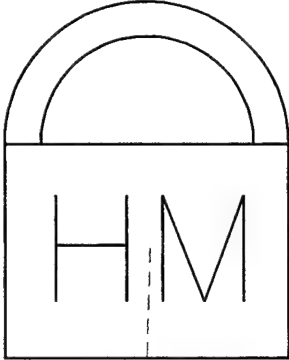
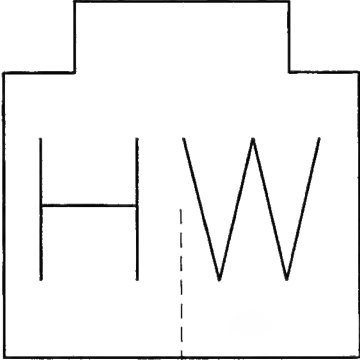
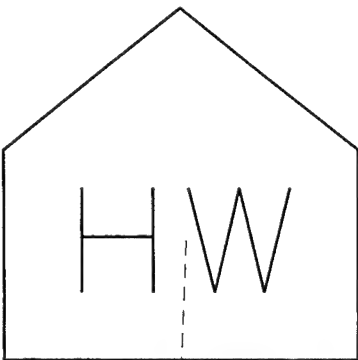
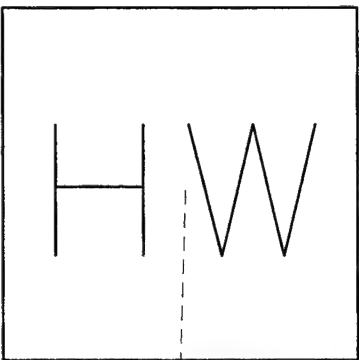
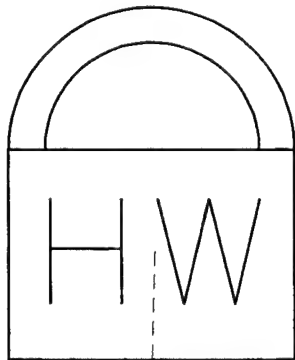

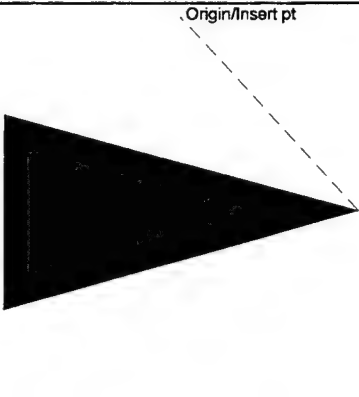
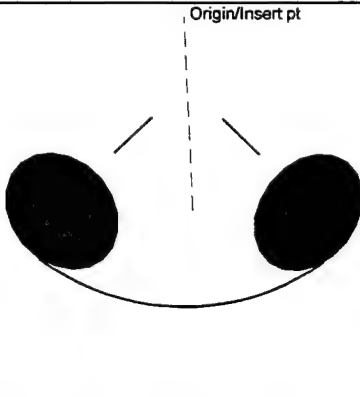
	
<p>General:SECIN2 SECTION ELEVATION INDICATOR Element type: Symbol</p>	<p>General:SECIN3 SECTION ELEVATION INDICATOR Element type: Symbol</p>

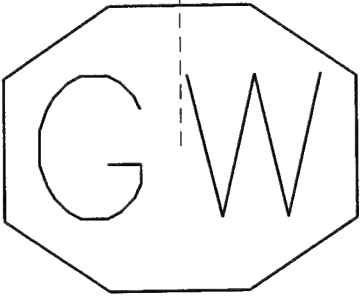
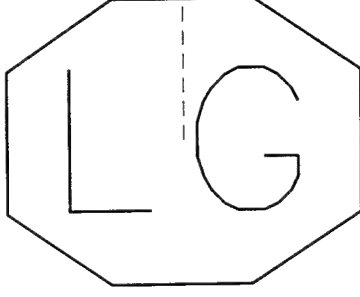

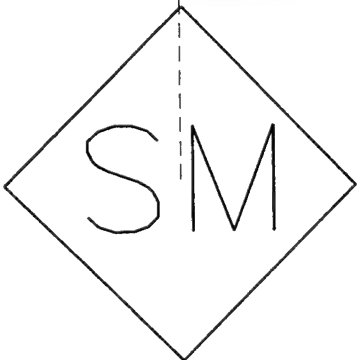
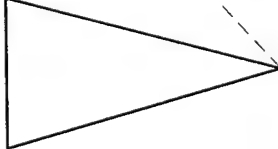
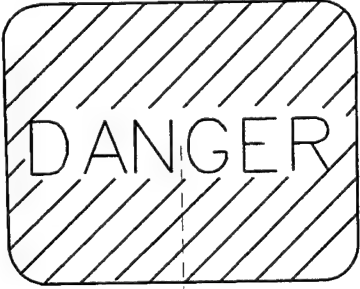
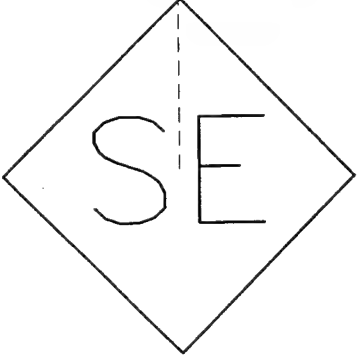
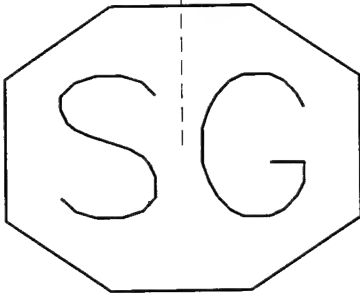
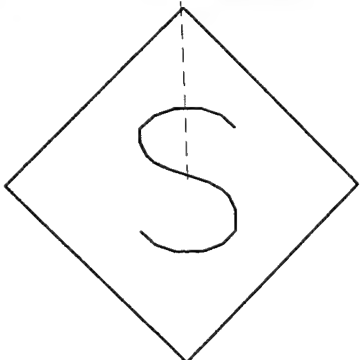
2 Hazardous Materials Lines Library


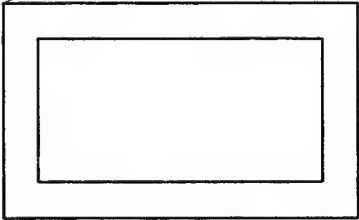
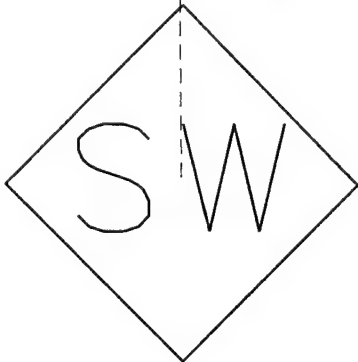
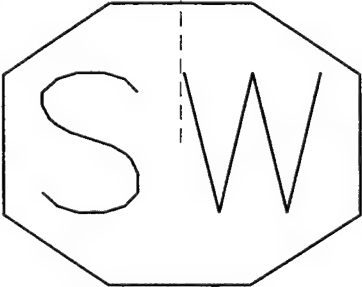
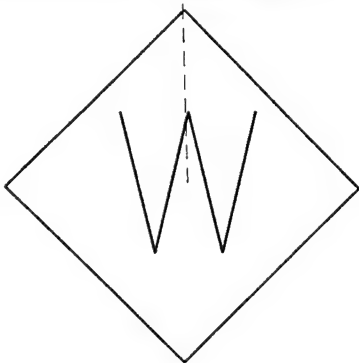
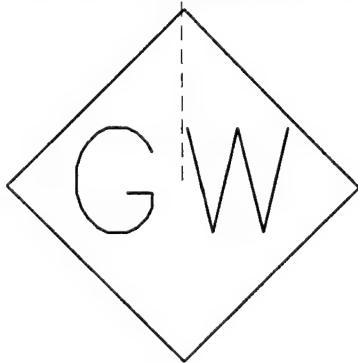


2 Hazardous Materials Symbols Library


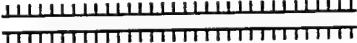
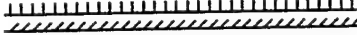





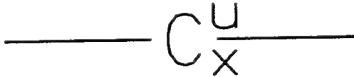
		
<p>Hazardous Materials: AIRQST AIR QUALITY MON STA Element type: Symbol</p>	<p>Hazardous Materials: AIRSMP AIR SAMPLE LOCATION Element type: Symbol</p>	<p>Hazardous Materials: BIOSMP BIOLOGICAL SAMPLE LOC Element type: Symbol</p>
		
<p>Hazardous Materials: EGDECN EQUIPMENT DECON Element type: Symbol</p>	<p>Hazardous Materials: EGONST ONSITE COMMAND POST Element type: Symbol</p>	<p>Hazardous Materials: EGSITE SITE INFORMATION CENTER Element type: Symbol</p>
		
<p>Hazardous Materials: EGWASH WASHDOWN WATER TANK Element type: Symbol</p>	<p>Hazardous Materials: EHZMSA HAZMAT STOR LOCATION Element type: Symbol</p>	<p>Hazardous Materials: EHZMSB HAZMAT STOR BLDG Element type: Symbol</p>








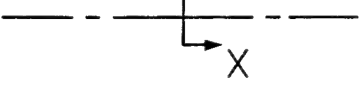
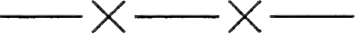
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Hazardous Materials: EHZMSR HAZMAT STORAGE ROOM Element type: Symbol</p>	<p>Hazardous Materials: EHZMSV HAZMAT STOR VAULT Element type: Symbol</p>	<p>Hazardous Materials: EHZWSA HAZWASTE STOR LOC Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Hazardous Materials: EHZWSB HAZWASTE STOR BLDG Element type: Symbol</p>	<p>Hazardous Materials: EHZWSR HAZWASTE STOR ROOM Element type: Symbol</p>	<p>Hazardous Materials: EHZWSV HAZWASTE STOR VAULT Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Hazardous Materials: EMGSHW EMERGENCY SHOWER Element type: Symbol</p>	<p>Hazardous Materials: EPOLLS POLLUTION SOURCE SITE Element type: Symbol</p>	<p>Hazardous Materials: EYEWAS EMERGENCY EYEWASH Element type: Symbol</p>


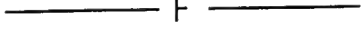



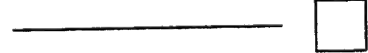



		
Hazardous Materials: GWTQST GRDWTR QUALITY MON STATION Element type: Symbol	Hazardous Materials: LANGAS LANDFILL GAS MON PROBE Element type: Symbol	Hazardous Materials: MAGLOC MAGNETOMETER DET LOC Element type: Symbol
		
Hazardous Materials: MATSMP SOLID MAT SAMPLE LOC Element type: Symbol	Hazardous Materials: PRLLOC POTENTIAL RELEASE LOC Element type: Symbol	Hazardous Materials: RESTR RESTRICTED ACCESS Element type: Symbol
		
Hazardous Materials: SEDSMP SEDIMENT SAMPLE LOC Element type: Symbol	Hazardous Materials: SOLGAS SOIL GAS MONIT PROBE Element type: Symbol	Hazardous Materials: SOLSMP SOIL SAMPLE LOCATION Element type: Symbol

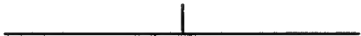








		
Hazardous Materials: SPLRES SPILL RESPONSE Element type: Symbol	Hazardous Materials: SPLTNK SPILL CONTAINMENT TANK Element type: Symbol	Hazardous Materials: SURSMP SURFACE WTR SAMPLE LOC Element type: Symbol
		
Hazardous Materials: SWTQST SURF WTR QUAL MON STATION Element type: Symbol	Hazardous Materials: WASSMP WASTE SAMPLE LOCATION Element type: Symbol	Hazardous Materials: WATSMP GROUNDWATER SAMPLE LOC Element type: Symbol



3 Survey/Mapping Lines Library

		
Survey/Mapping: 16THLN SIXTEENTH LINE Element type: Line	Survey/Mapping: BARDIT DITCH BARRIER Element type: Line	Survey/Mapping: BARDTB DITCH AND BERM BARRIER Element type: Line
		
Survey/Mapping: BARGEN GENERIC SECURITY BARRIER Element type: Line	Survey/Mapping: BARMAS SECURITY MASONRY BARRIER Element type: Line	Survey/Mapping: CMP12 CMP 12IN DIA LINEAR Element type: Line
		
Survey/Mapping: CMPU12 CMPU 12IN DIA LINEAR Element type: Line	Survey/Mapping: COMARX EXIST COMMUNICATION AERIAL Element type: Line	Survey/Mapping: COMUGX EXIST COMMUNICATION UNDERG Element type: Line

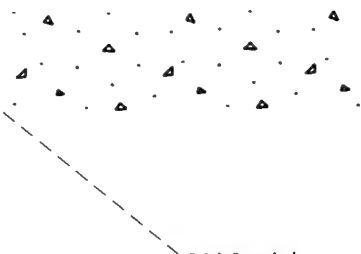
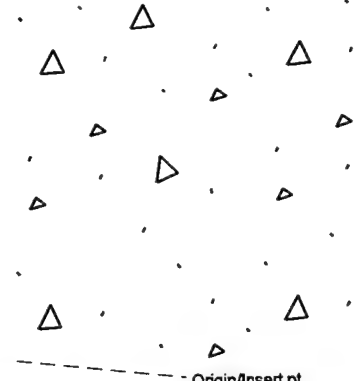
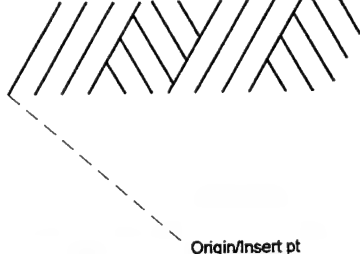
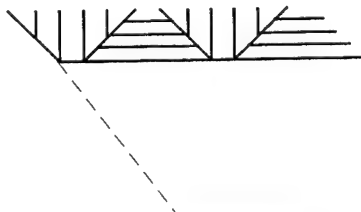
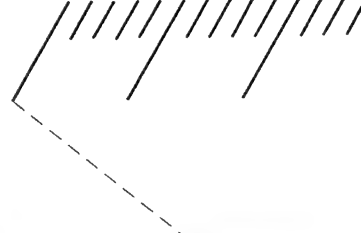
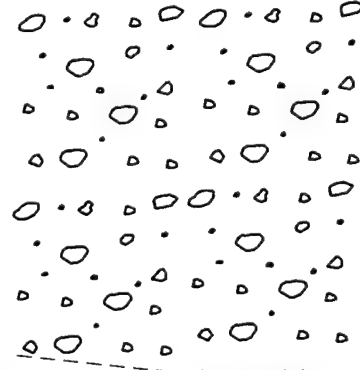

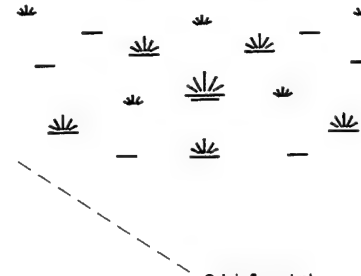
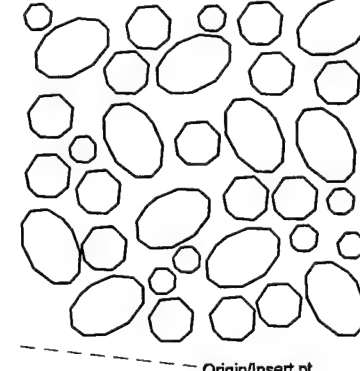
		
Survey/Mapping: CONLMT CONSTRUCTION LIMIT Element type: Line	Survey/Mapping: CULVRT CULVERT PIPE Element type: Line	Survey/Mapping: DITCH DITCH LINE Element type: Line
		
Survey/Mapping: EPARX EXIST ELEC AERIAL PRIMARY Element type: Line	Survey/Mapping: EPUGX EXIST ELEC UNDERG PRIMARY Element type: Line	Survey/Mapping: ESARX EXIST ELEC AERIAL SEC Element type: Line
		
Survey/Mapping: ESUGX EXIST ELEC UNDERG SEC Element type: Line	Survey/Mapping: EUDUCX EXIST UNDERGROUND DUCT BANK Element type: Line	Survey/Mapping: FENCE FENCE Element type: Line

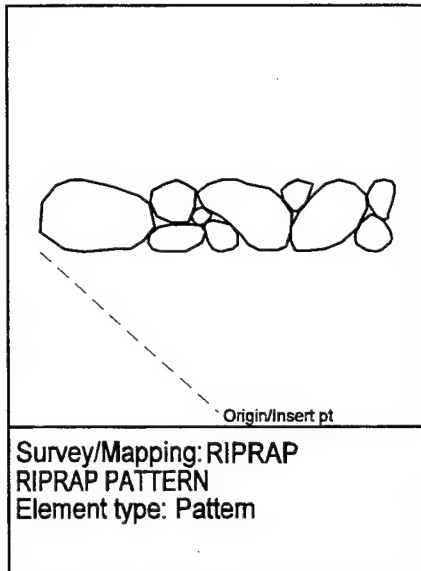
		
Survey/Mapping: FIBOPT FIBER OPTICS LINE Element type: Line	Survey/Mapping: FIRE FIRE PROTECTION WATR SUPPLY Element type: Line	Survey/Mapping: FUELOR FUEL OIL RETURN Element type: Line
		
Survey/Mapping: FUELOS FUEL OIL SUPPLY Element type: Line	Survey/Mapping: FUELOV FUEL OIL TANK VENT Element type: Line	Survey/Mapping: GUARD GUARD RAIL Element type: Line
		
Survey/Mapping: INDXDC INDEX DEPTH CONTOUR Element type: Line	Survey/Mapping: IWASTE INDUSTRIAL WASTE Element type: Line	Survey/Mapping: LIQPET LIQUID PETROLEUM GAS Element type: Line

		
Survey/Mapping: MINRDC MINOR DEPTH CONTOUR Element type: Line	Survey/Mapping: NONPOT NONPOTABLE WATER Element type: Line	Survey/Mapping: NTGASX EXISTING NATURAL GAS Element type: Line
		
Survey/Mapping: PROJBL PROJECT BOUNDARY LINE Element type: Line	Survey/Mapping: PROPL PROPERTY LINE Element type: Line	Survey/Mapping: RAILS SINGLE RAILROAD Element type: Line
		
Survey/Mapping: RTOFWY RIGHT OF WAY Element type: Line	Survey/Mapping: SSWAFX EXISTING SANITARY SEWER Element type: Line	Survey/Mapping: STRAFX EXISTING STORM DRAIN Element type: Line




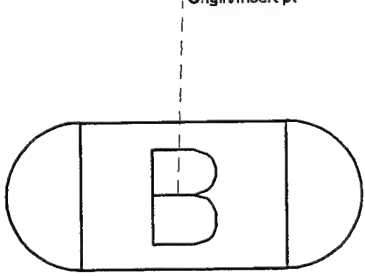
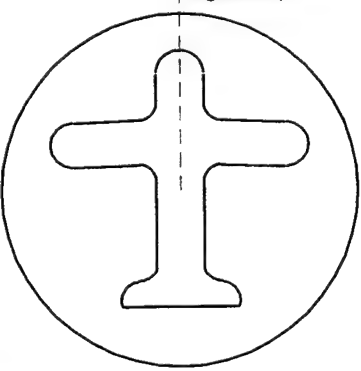
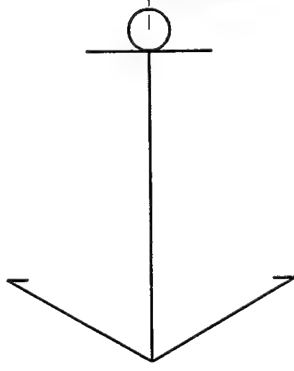
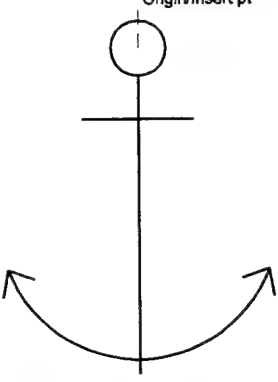
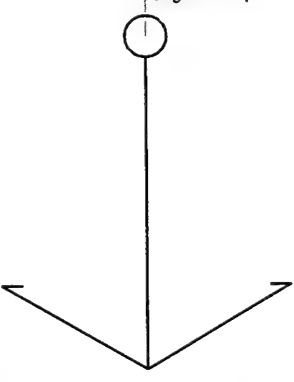
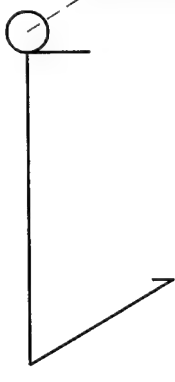
	
<p>Survey/Mapping: TREEL TREE LINE Element type: Line</p>	<p>Survey/Mapping: WATRX EXISTING WATER LINE Element type: Line</p>

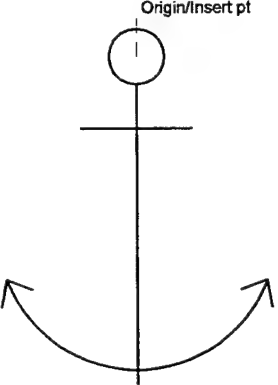
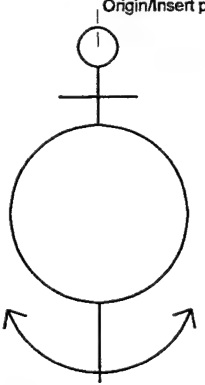
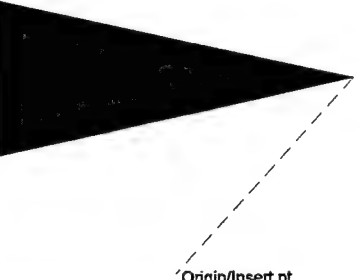
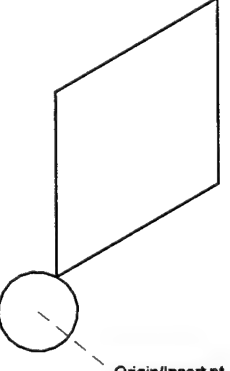
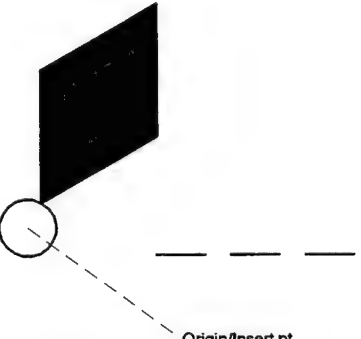
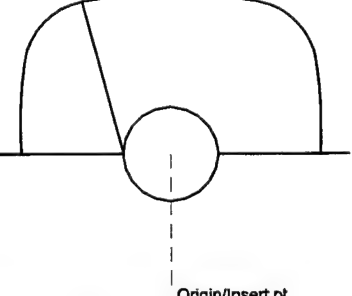
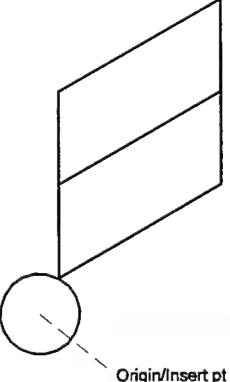
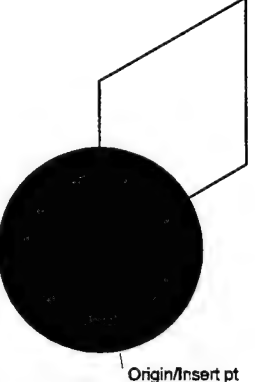
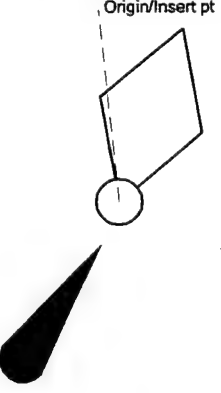
3 Survey/Mapping Patterns Library

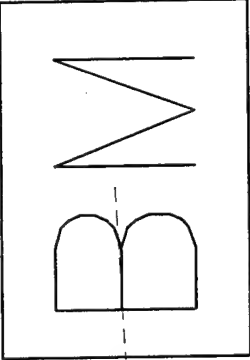
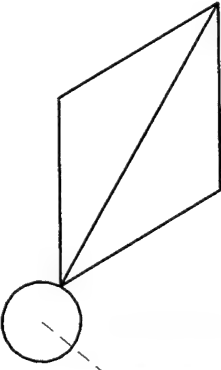
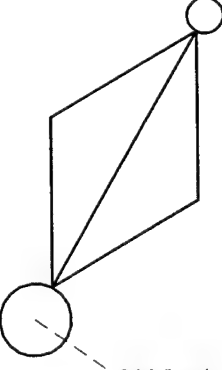
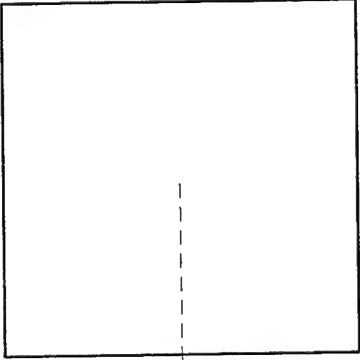
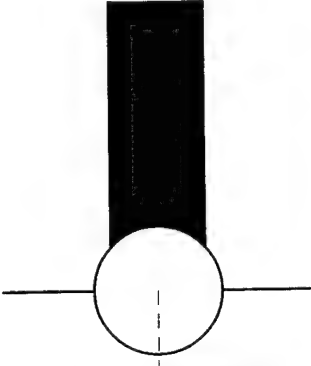
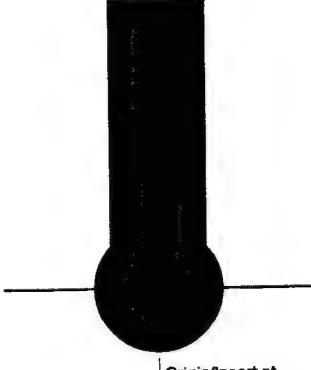
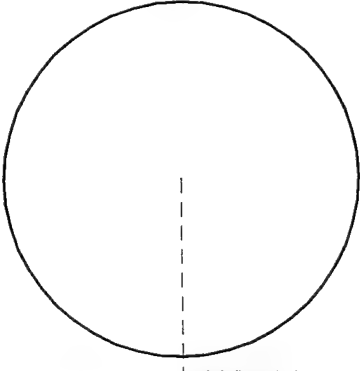
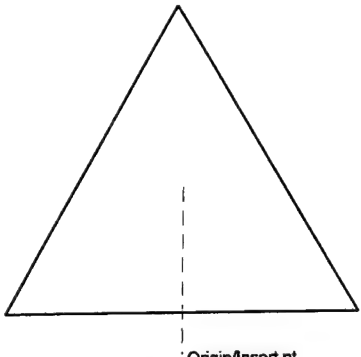
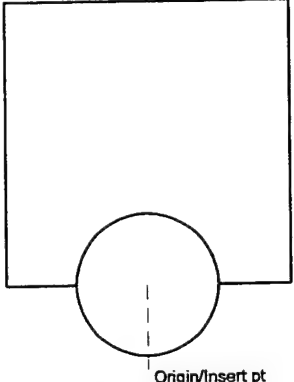
		
<p>Survey/Mapping: CONC CONCRETE Element type: Pattern</p>	<p>Survey/Mapping: CONCS CONCRETE STONE Element type: Pattern</p>	<p>Survey/Mapping: EEARTH EXISTING EARTH Element type: Pattern</p>
		
<p>Survey/Mapping: EROCK EXISTING ROCK Element type: Pattern</p>	<p>Survey/Mapping: FILLSC FILL SECTION Element type: Pattern</p>	<p>Survey/Mapping: GRAVEL GRAVEL Element type: Pattern</p>
		
<p>Survey/Mapping: GROUT GROUT Element type: Pattern</p>	<p>Survey/Mapping: LSWAMP LARGE SWAMP Element type: Pattern</p>	<p>Survey/Mapping: POROUS POROUS Element type: Pattern</p>

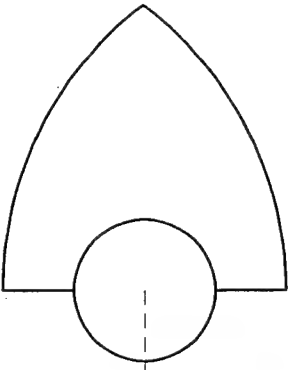
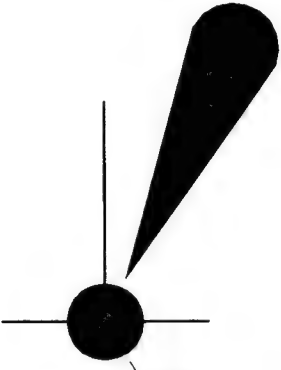

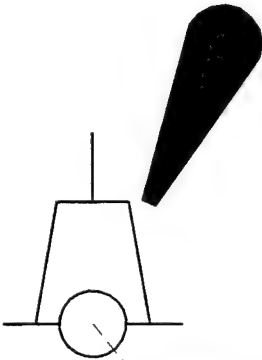
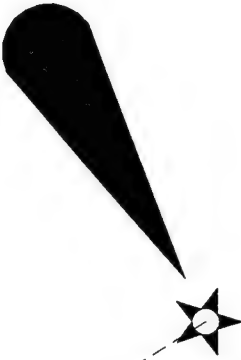
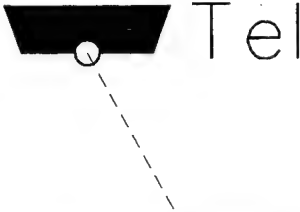
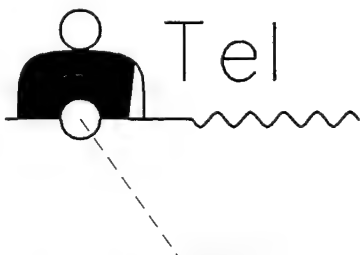
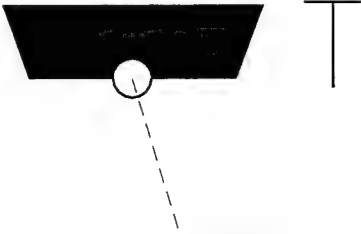
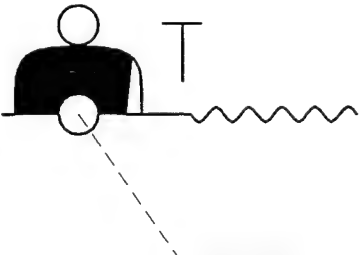


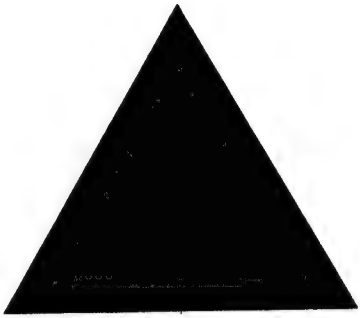
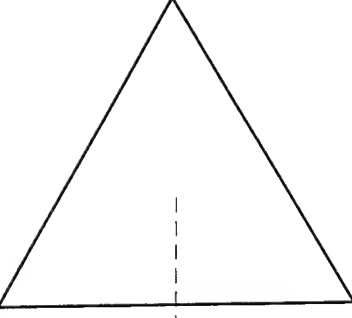
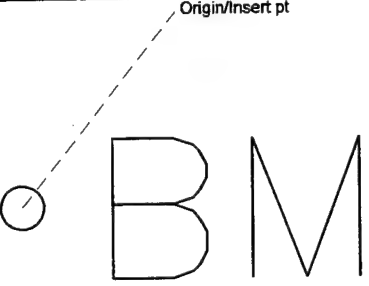
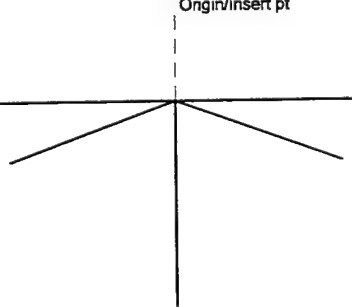
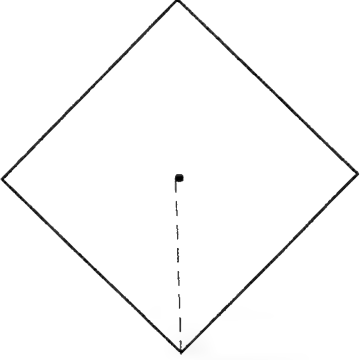
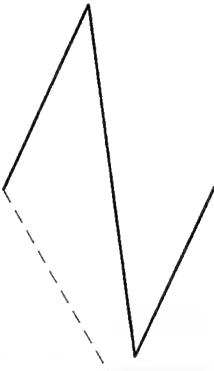
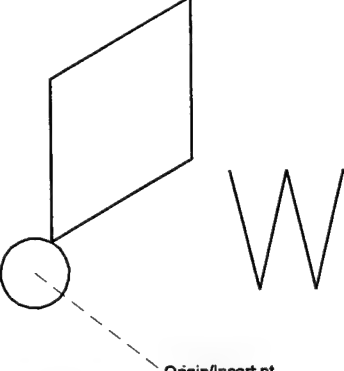
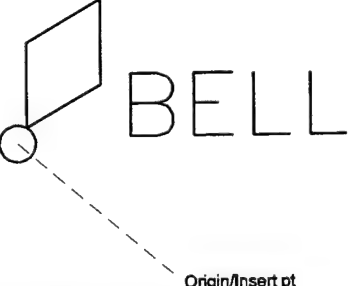
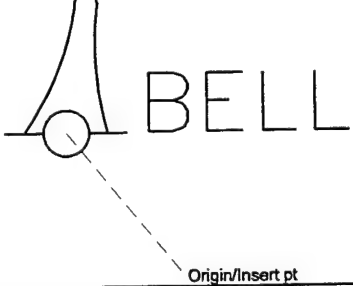
3 Survey/Mapping Symbols Library

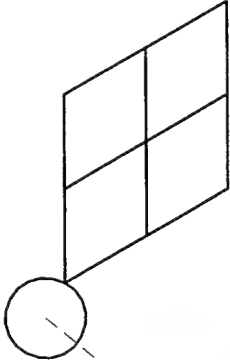
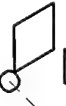
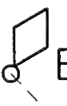
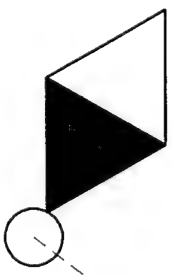
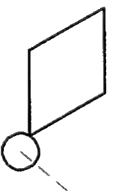
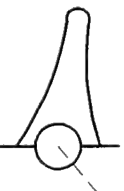
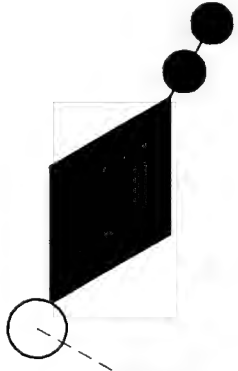
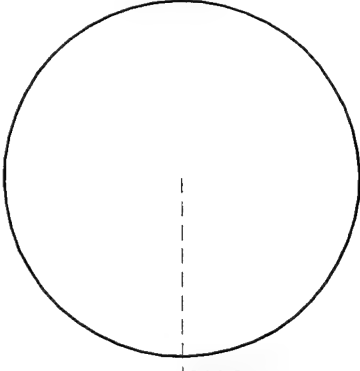
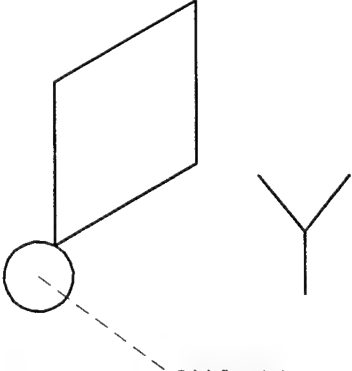
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: ACLLEL APPROACH LIGHTBAR_ELEVATED Element type: Symbol</p>	<p>Survey/Mapping: ACLLSF APPROACH LIGHTBAR_SEMIFLUSH Element type: Symbol</p>	<p>Survey/Mapping: AERO SEAPLANE ANCHORAGE BUOY Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: AFBCN AIRFIELD BEACON Element type: Symbol</p>	<p>Survey/Mapping: AIRFLD AIRFIELD SYMBOL Element type: Symbol</p>	<p>Survey/Mapping: ANCHR1 ANCHORAGE LARGE VESSEL Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: ANCHR2 ANCHORAGE LARGE VESSEL Element type: Symbol</p>	<p>Survey/Mapping: ANCHR3 ANCHORAGE SMALL VESSEL Element type: Symbol</p>	<p>Survey/Mapping: ANCHR4 ANCHORAGE SMALL VESSEL Element type: Symbol</p>

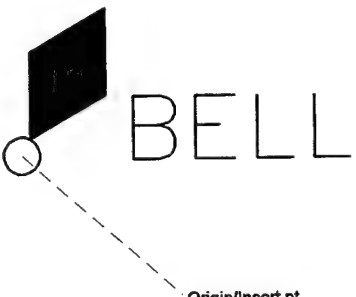
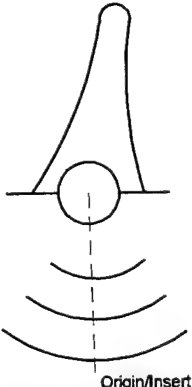
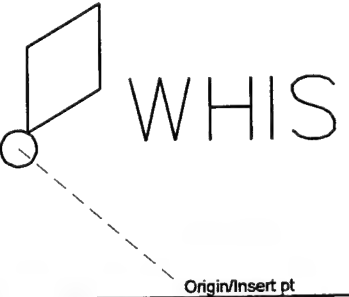

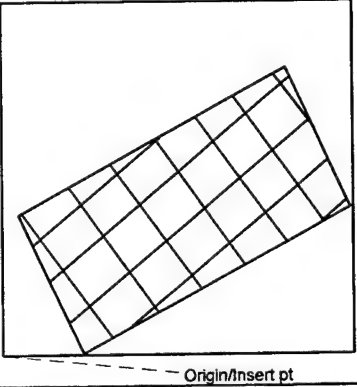
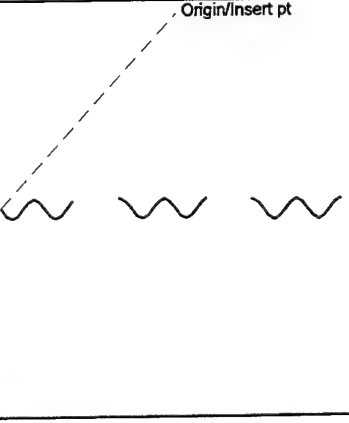
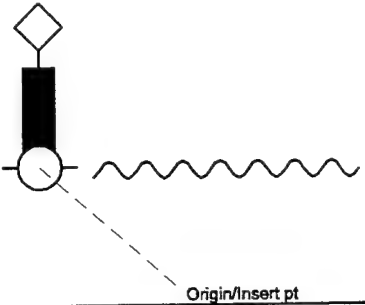
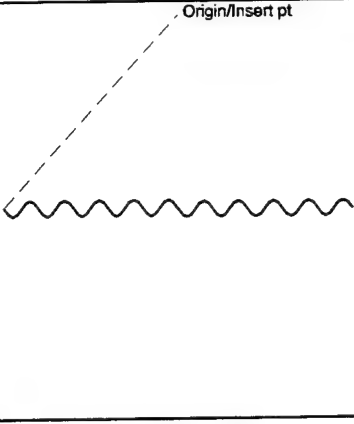
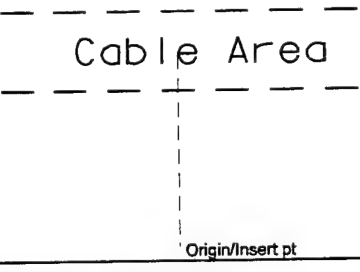
		
<p>Survey/Mapping: ANCHR5 ANCHORAGE SMALL VESSEL Element type: Symbol</p>	<p>Survey/Mapping: ANCHRB ANCHOR BERTH Element type: Symbol</p>	<p>Survey/Mapping: ARROW ARROW TERMINATOR Element type: Symbol</p>
		
<p>Survey/Mapping: BAR1 BARREL BUOY Element type: Symbol</p>	<p>Survey/Mapping: BAR1C BARREL BUOY INDICATE COLOR Element type: Symbol</p>	<p>Survey/Mapping: BAR2 BARREL BUOY Element type: Symbol</p>
		
<p>Survey/Mapping: BARD DIAG STRIPE BARREL BUOY Element type: Symbol</p>	<p>Survey/Mapping: BARLT1 LIGHTED BARREL BUOY Element type: Symbol</p>	<p>Survey/Mapping: BARLT2 LIGHTED BARREL BUOY Element type: Symbol</p>

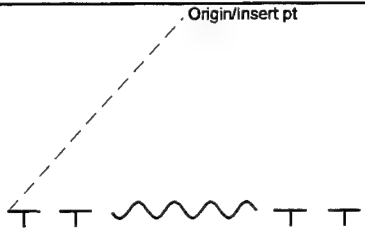
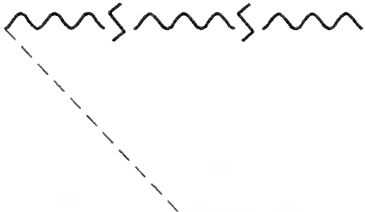
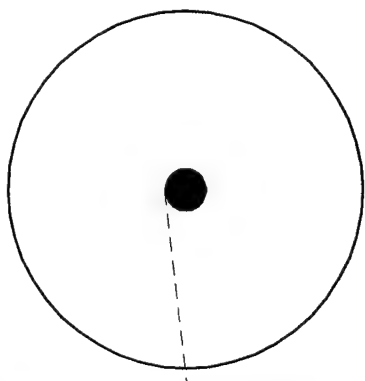
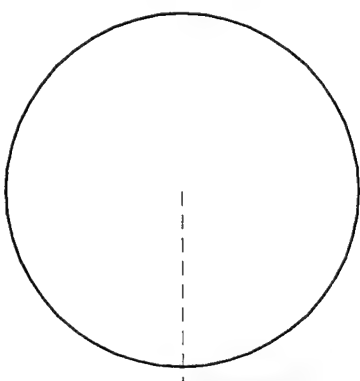
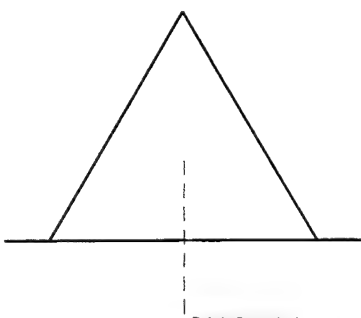
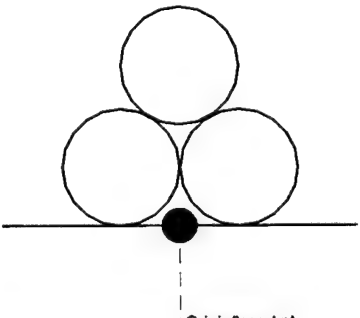
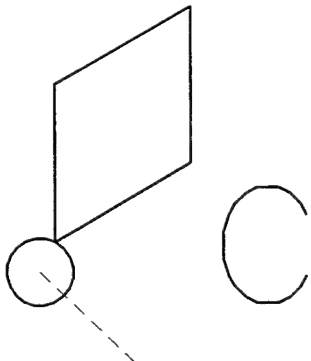
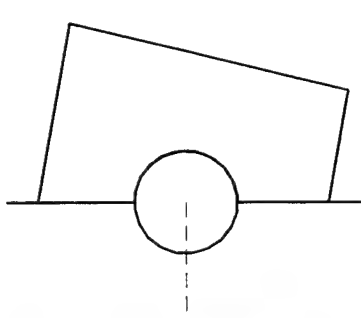
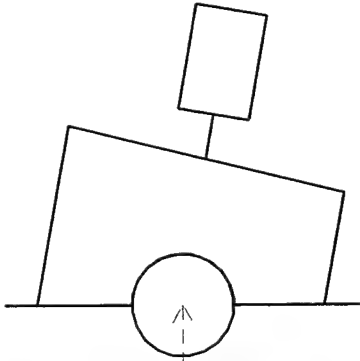
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: BARMKR BARRIER MARKER Element type: Symbol</p>	<p>Survey/Mapping: BARV VERT STRIPE BARREL BUOY Element type: Symbol</p>	<p>Survey/Mapping: BARVT V STRP BARREL BUOY W TOPMK Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: BCN1 GENERAL BEACON Element type: Symbol</p>	<p>Survey/Mapping: BCN2 GENERAL BEACON Element type: Symbol</p>	<p>Survey/Mapping: BCN3 GENERAL BEACON Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: BCN4 GENERAL BEACON Element type: Symbol</p>	<p>Survey/Mapping: BCN5 GENERAL BEACON Element type: Symbol</p>	<p>Survey/Mapping: BCNBY1 BUOYANT BEACON Element type: Symbol</p>

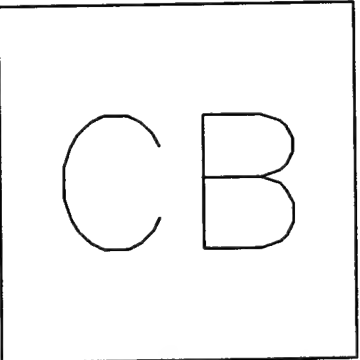
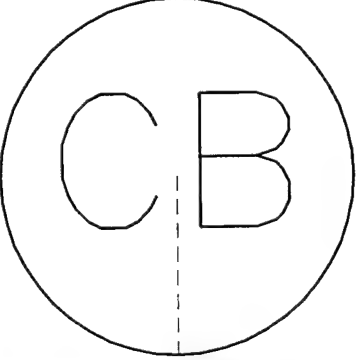
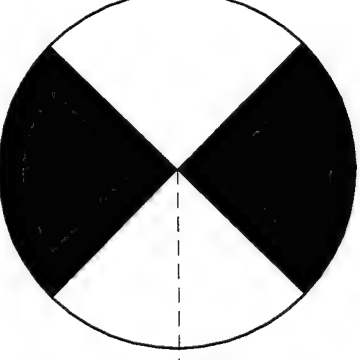
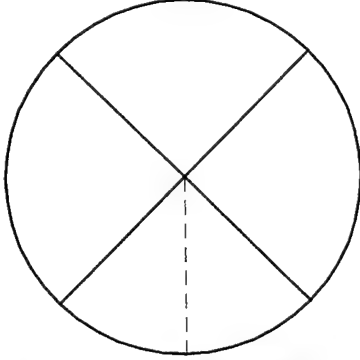
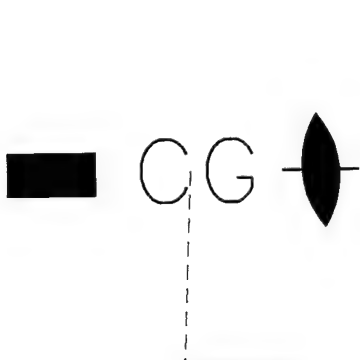
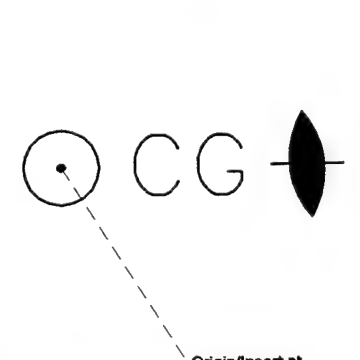
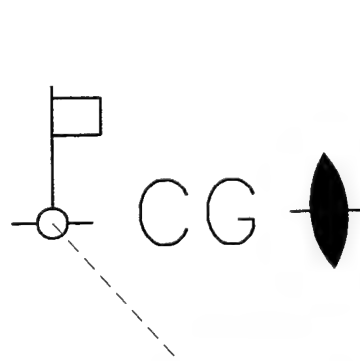
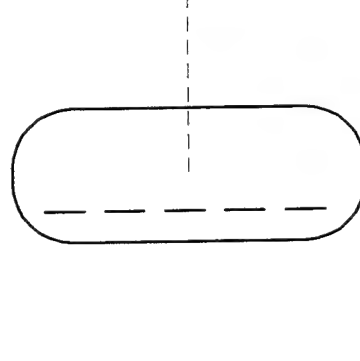
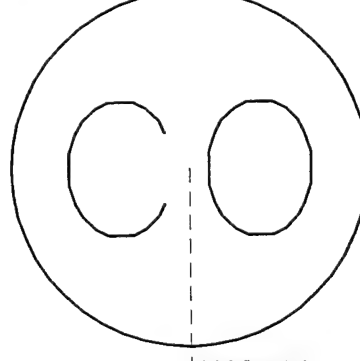
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: BCNBY2 BUOYANT BEACON Element type: Symbol</p>	<p>Survey/Mapping: BCNLT1 LIGHTED BEACON Element type: Symbol</p>	<p>Survey/Mapping: BCNLT2 LIGHTED BEACON Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: BCNLT3 LIGHTED BEACON Element type: Symbol</p>	<p>Survey/Mapping: BCNRES RESILIENT BEACON Element type: Symbol</p>	<p>Survey/Mapping: BCNTG1 TELEGRAPHIC MOORING BEACON Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: BCNTG2 TELEGRAPHIC MOORING BEACON Element type: Symbol</p>	<p>Survey/Mapping: BCNTP1 TELEPHONIC MOORING BEACON Element type: Symbol</p>	<p>Survey/Mapping: BCNTP2 TELEPHONIC MOORING BEACON Element type: Symbol</p>

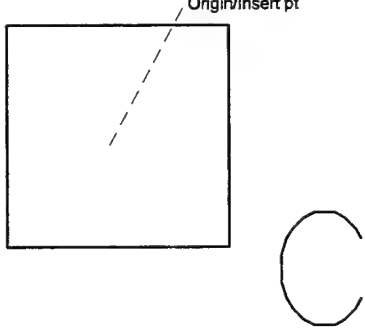

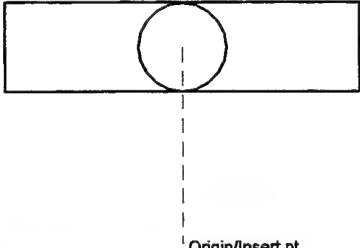
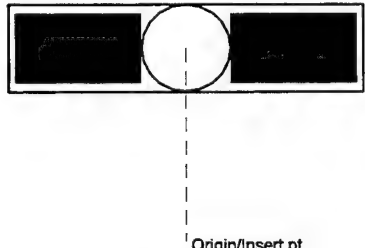

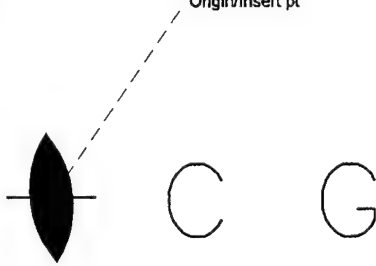
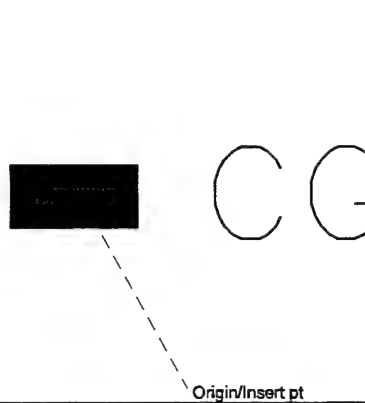
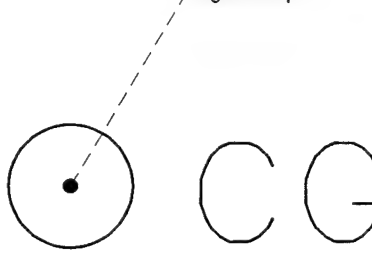
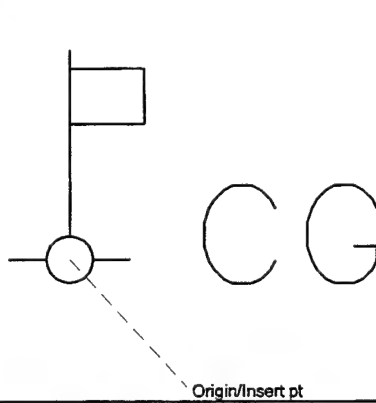
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: BCNTR1 TRIANGULAR BEACON Element type: Symbol</p>	<p>Survey/Mapping: BCNTR2 TRIANGULAR BEACON Element type: Symbol</p>	<p>Survey/Mapping: BM BENCH MARK Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: BMALT BENCH MARK ALTERNATE Element type: Symbol</p>	<p>Survey/Mapping: BNDMRK BOUNDARY MARK Element type: Symbol</p>	<p>Survey/Mapping: BREAK BREAK LINE SYMBOL Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: BYANCH ANCHORAGE BUOY Element type: Symbol</p>	<p>Survey/Mapping: BYBELB BELL BARREL BUOY Element type: Symbol</p>	<p>Survey/Mapping: BYBELP BELL PILLAR BUOY Element type: Symbol</p>

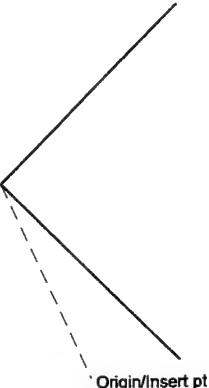
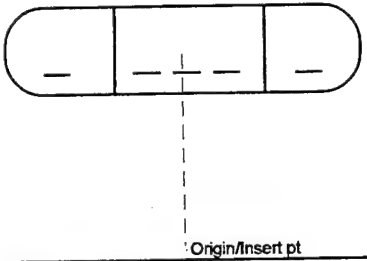
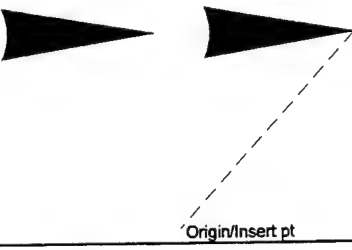
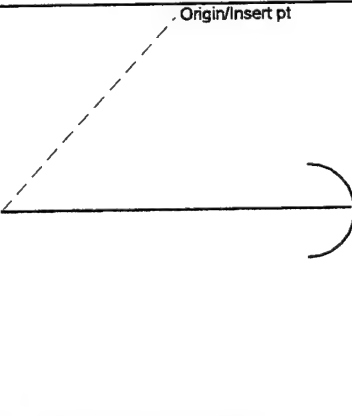
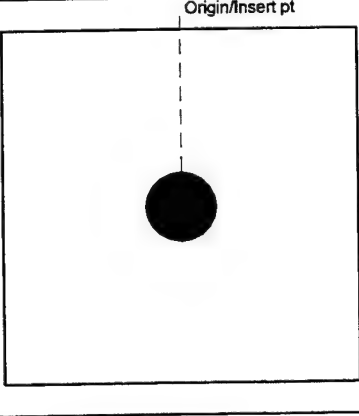
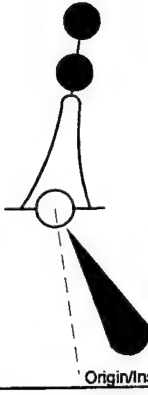
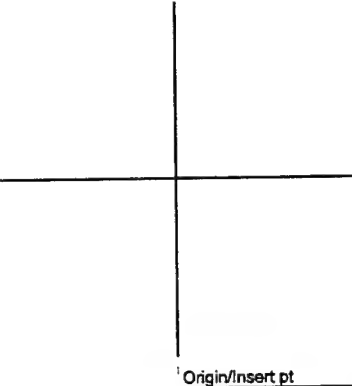
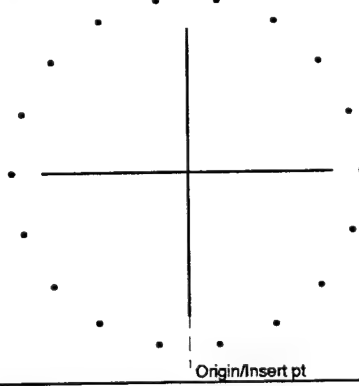
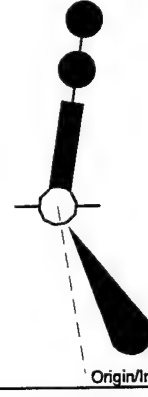
 <p>Origin/Insert pt</p>	 <p>Deviation</p> <p>Origin/Insert pt</p>	 <p>Explos Anch</p> <p>Origin/Insert pt</p>
<p>Survey/Mapping: BYCHEC CHECKERED BUOY Element type: Symbol</p>	<p>Survey/Mapping: BYCOMP COMPASS ADJUSTMENT BUOY Element type: Symbol</p>	<p>Survey/Mapping: BYEXPL EXPLOSIVE ANCHORAGE BUOY Element type: Symbol</p>
 <p>BW</p> <p>Origin/Insert pt</p>	 <p>GONG</p> <p>Origin/Insert pt</p>	 <p>GONG</p> <p>Origin/Insert pt</p>
<p>Survey/Mapping: BYFISH FISH TRAP BUOY Element type: Symbol</p>	<p>Survey/Mapping: BYGONB GONG BARREL BUOY Element type: Symbol</p>	<p>Survey/Mapping: BYGONP GONG PILLAR BUOY Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: BYJUNC JUNCTION BUOY Element type: Symbol</p>	<p>Survey/Mapping: BYPOS POSITION OF BUOY Element type: Symbol</p>	<p>Survey/Mapping: BYQUAR QUARANTINE BUOY Element type: Symbol</p>

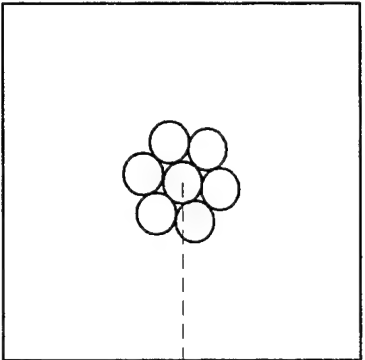
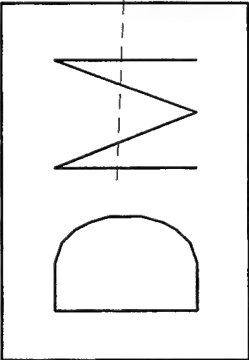
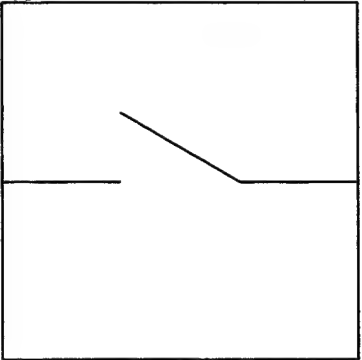
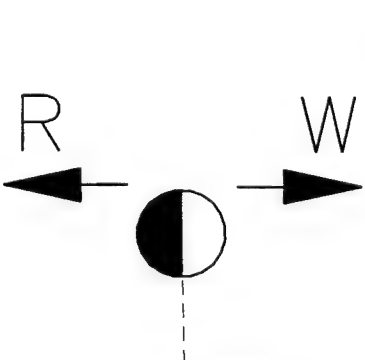
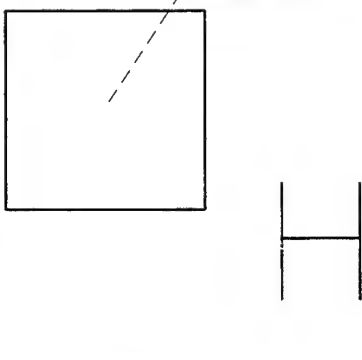
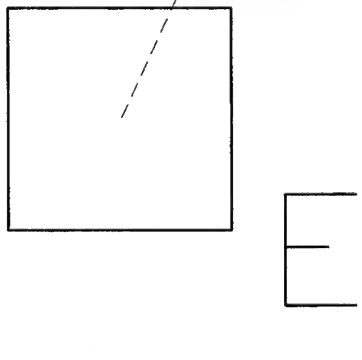
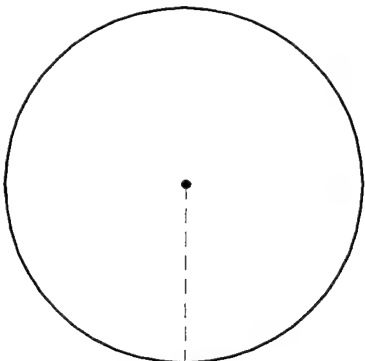
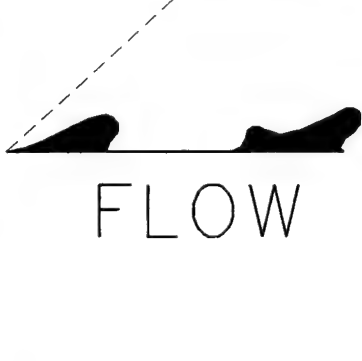
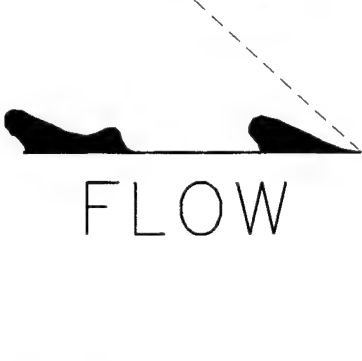
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: BYWAV1 WAVE ACTUATED BELL BUOY Element type: Symbol</p>	<p>Survey/Mapping: BYWAV2 WAVE ACTUATED BELL BUOY Element type: Symbol</p>	<p>Survey/Mapping: BYWHIB WHISTLE BARREL BUOY Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: BYWHIP WHISTLE PILLAR BUOY Element type: Symbol</p>	<p>Survey/Mapping: CABCNZ CABLE CROSSING ZONE Element type: Symbol</p>	<p>Survey/Mapping: CABDIS DISUSED SUBMARINE CABLE Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: CABLAN CABLE LANDING BEACON Element type: Symbol</p>	<p>Survey/Mapping: CABLE SUBMARINE CABLE Element type: Symbol</p>	<p>Survey/Mapping: CABLE1 SUBMARINE CABLE AREA Element type: Symbol</p>

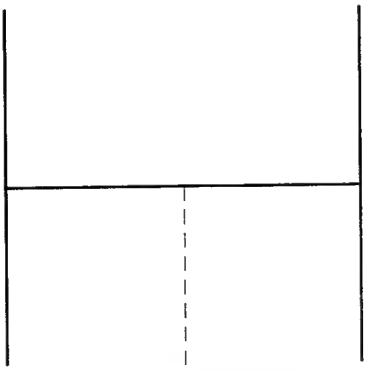
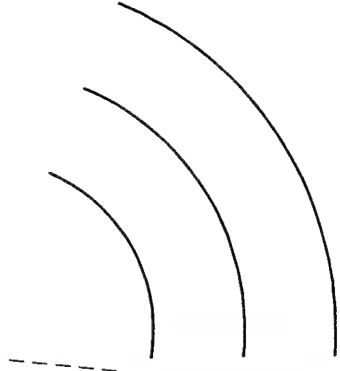
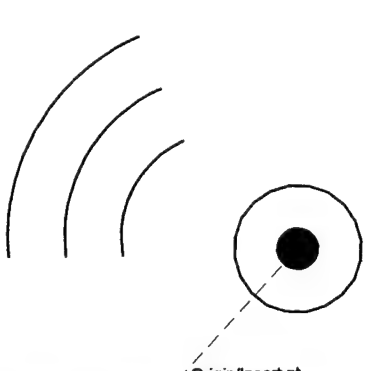
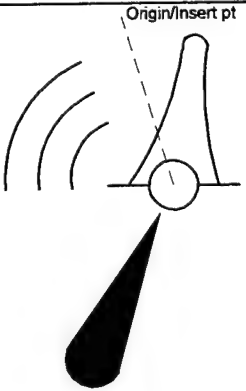

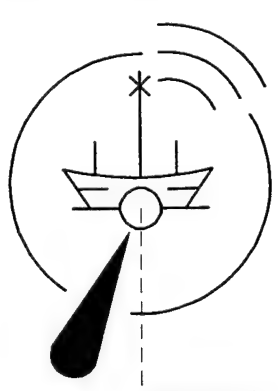
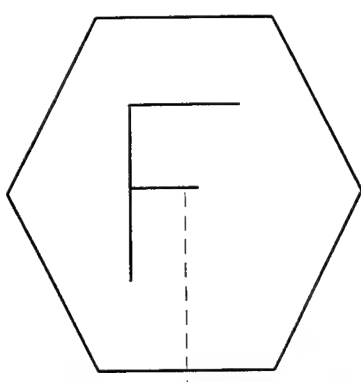
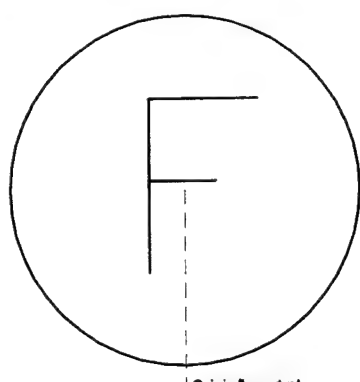
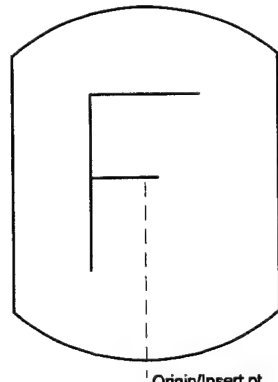
		
<p>Survey/Mapping: CABLE2 SUBMARINE CABLE AREA Element type: Symbol</p>	<p>Survey/Mapping: CABPWR SUBMARINE POWER CABLE Element type: Symbol</p>	<p>Survey/Mapping: CAIRN1 CAIRN Element type: Symbol</p>
		
<p>Survey/Mapping: CAIRN2 CAIRN Element type: Symbol</p>	<p>Survey/Mapping: CAIRN3 CAIRN Element type: Symbol</p>	<p>Survey/Mapping: CAIRN4 CAIRN Element type: Symbol</p>
		
<p>Survey/Mapping: CAN1 CAN BUOY Element type: Symbol</p>	<p>Survey/Mapping: CAN2 CAN BUOY Element type: Symbol</p>	<p>Survey/Mapping: CANWT WHITE CAN BUOY W TOPMARK Element type: Symbol</p>

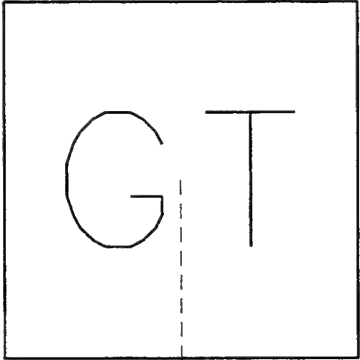
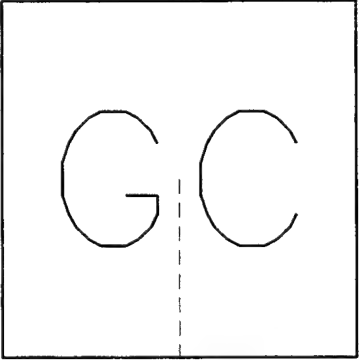
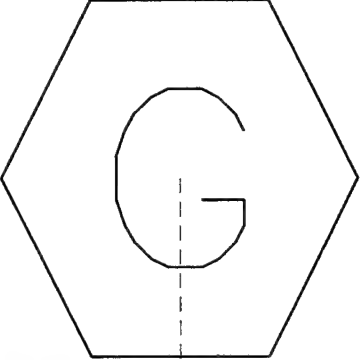
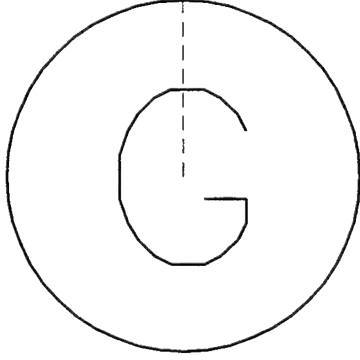
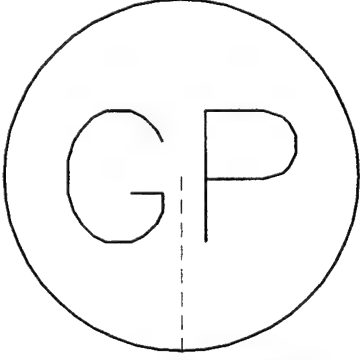
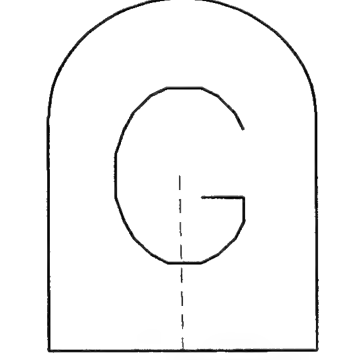
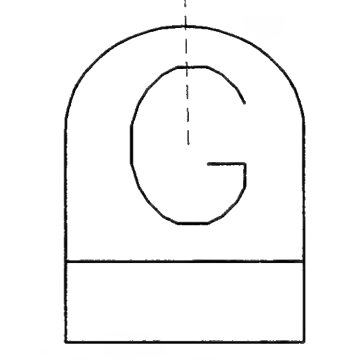
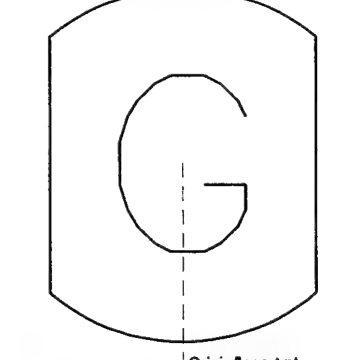
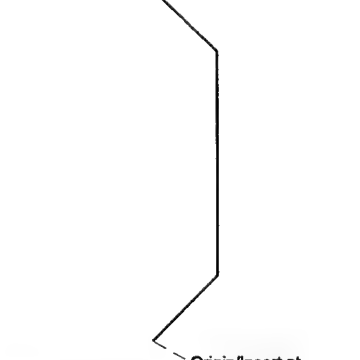
		
<p>Survey/Mapping: CATBSN CATCH BASIN Element type: Symbol</p>	<p>Survey/Mapping: CATBSR ROUND CATCH BASIN Element type: Symbol</p>	<p>Survey/Mapping: CDHDR CORE DRILL HOLE DRILLED Element type: Symbol</p>
		
<p>Survey/Mapping: CDHDDR CORE DRILL HOLE UNDRILLED Element type: Symbol</p>	<p>Survey/Mapping: CGRES1 COAST GUARD RESCUE STA Element type: Symbol</p>	<p>Survey/Mapping: CGRES2 COAST GUARD RESCUE STA Element type: Symbol</p>
		
<p>Survey/Mapping: CGRES3 COAST GUARD RESCUE STA Element type: Symbol</p>	<p>Survey/Mapping: CKTID CIRCUIT ID SYMBOL Element type: Symbol</p>	<p>Survey/Mapping: CLNOUT CLEANOUT Element type: Symbol</p>

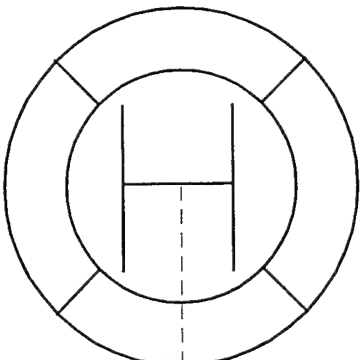
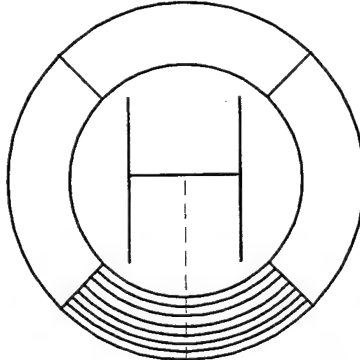
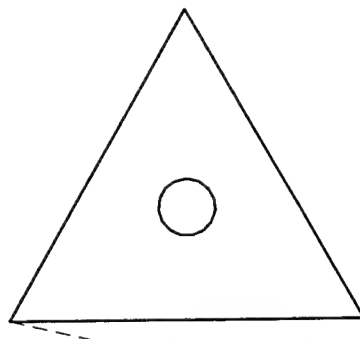
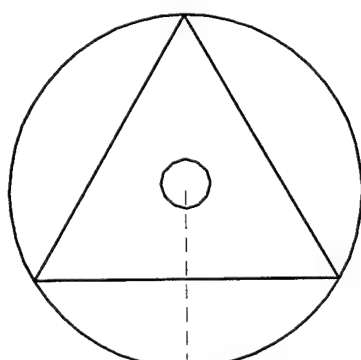
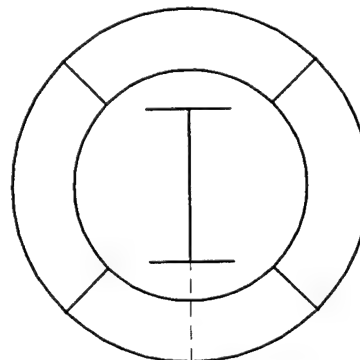
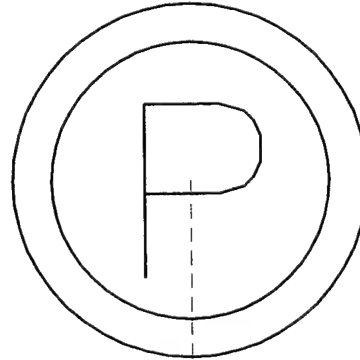
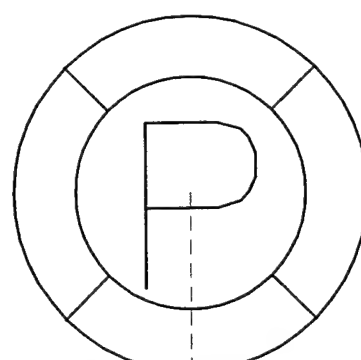
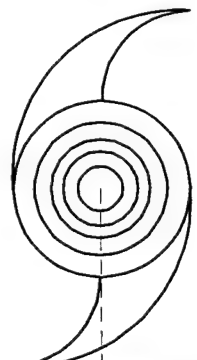
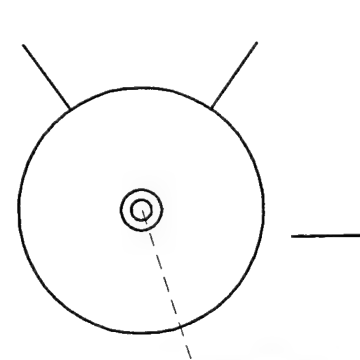
		
<p>Survey/Mapping: CMHLX COMMO MANHOLE_EXIST Element type: Symbol</p>	<p>Survey/Mapping: CNR90 CORNER SOLID 90 Element type: Symbol</p>	<p>Survey/Mapping: CNRNF CORNER NOT FOUND Element type: Symbol</p>
		
<p>Survey/Mapping: CNRSF CORNER SOLID FLAT Element type: Symbol</p>	<p>Survey/Mapping: CNTLIN CENTERLINE SYMBOL Element type: Symbol</p>	<p>Survey/Mapping: COAST1 COAST GUARD STATION Element type: Symbol</p>
		
<p>Survey/Mapping: COAST2 COAST GUARD STATION Element type: Symbol</p>	<p>Survey/Mapping: COAST3 COAST GUARD STATION Element type: Symbol</p>	<p>Survey/Mapping: COAST4 COAST GUARD STATION Element type: Symbol</p>

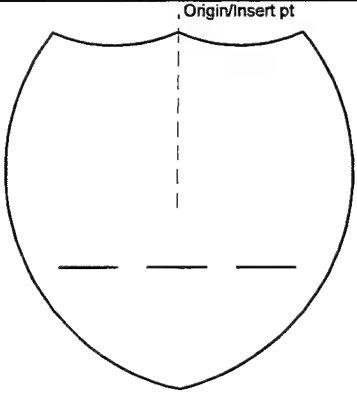
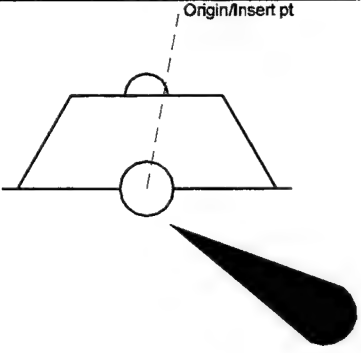
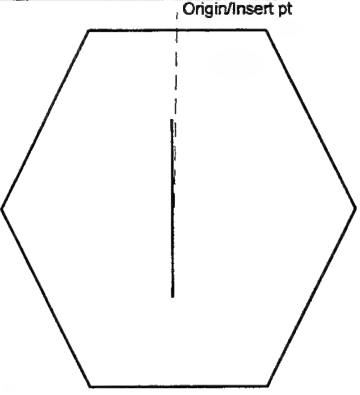
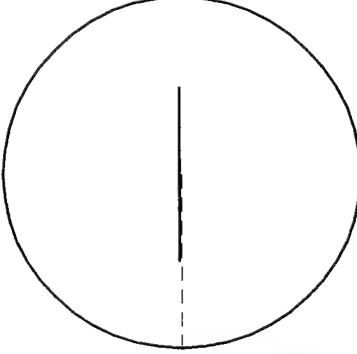
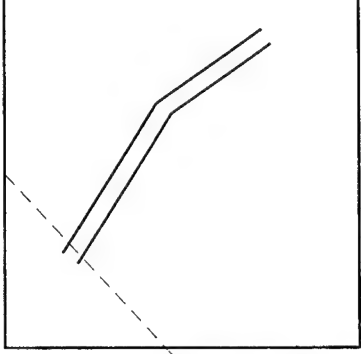
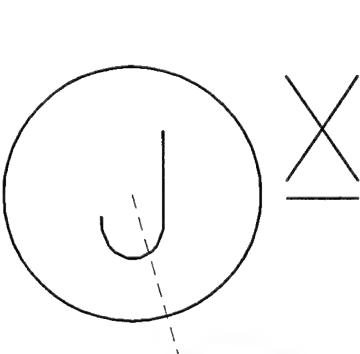
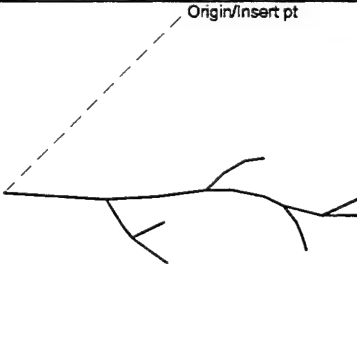
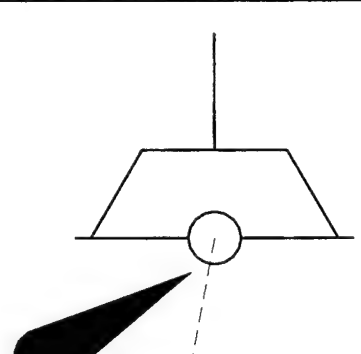
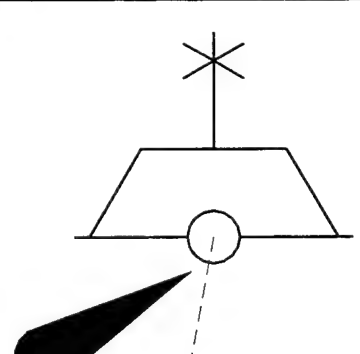
		
<p>Survey/Mapping: CULVEE CULVERT END SYMBOL Element type: Symbol</p>	<p>Survey/Mapping: DBID DUCTBANK ID SYMBOL Element type: Symbol</p>	<p>Survey/Mapping: DBLARR DOUBLE ARROW TERMINATOR Element type: Symbol</p>
		
<p>Survey/Mapping: DNGUYX DOWNGUY_EXISTING Element type: Symbol</p>	<p>Survey/Mapping: DISPLT DISUSED PLATFORM Element type: Symbol</p>	<p>Survey/Mapping: DNGPB LIGHTED DANGER BUOY PILLAR Element type: Symbol</p>
		
<p>Survey/Mapping: DNGRK DANGER U W ROCK DEPTH UNKNW Element type: Symbol</p>	<p>Survey/Mapping: DNGRK1 DANGER U W ROCK DEPTH UNKNW Element type: Symbol</p>	<p>Survey/Mapping: DNGSB LIGHTED DANGER BUOY SPAR Element type: Symbol</p>

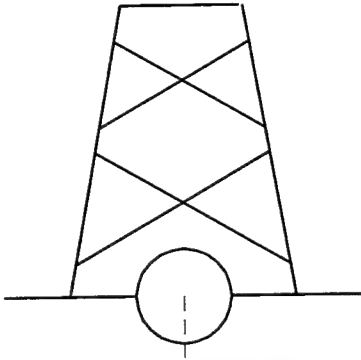
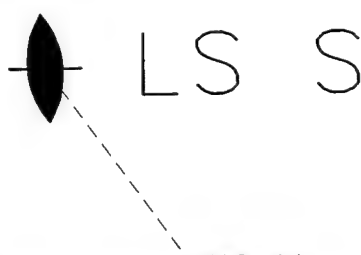
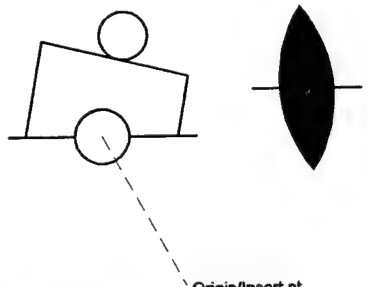
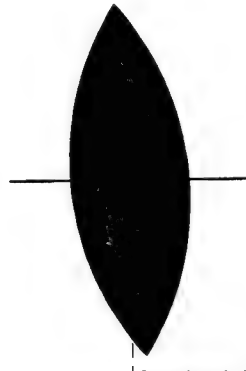
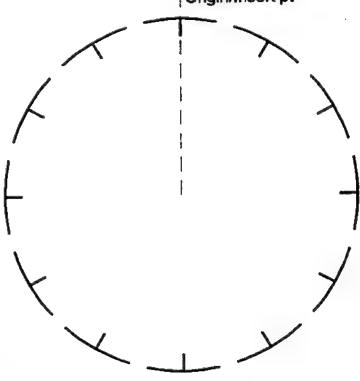
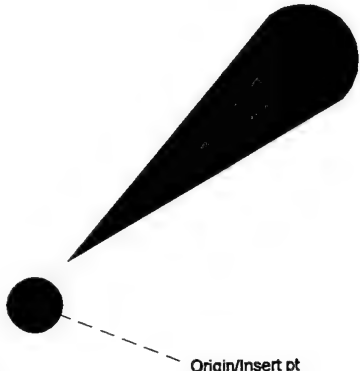
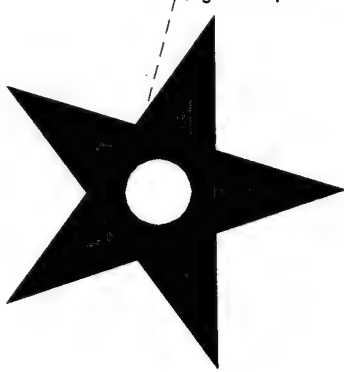
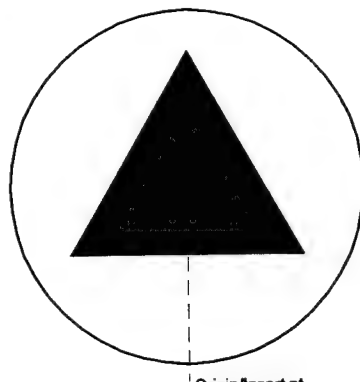
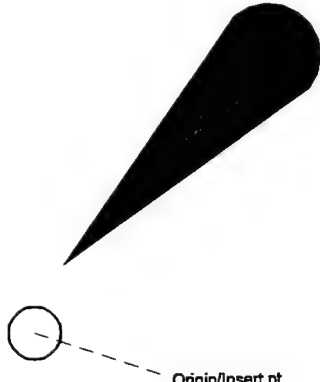
		
<p>Survey/Mapping: DOLPHN DOLPHIN Element type: Symbol</p>	<p>Survey/Mapping: DSTMKR RW DISTANCE MARKER Element type: Symbol</p>	<p>Survey/Mapping: DSWTCH DIST SWITCH SWITCHING STAT Element type: Symbol</p>
		
<p>Survey/Mapping: DTHL DISPLACE THRESHOLD LIGHT Element type: Symbol</p>	<p>Survey/Mapping: EHHLX ELEC HANDHOLE_EXIST Element type: Symbol</p>	<p>Survey/Mapping: EMHLX ELEC MANHOLE_EXIST Element type: Symbol</p>
		
<p>Survey/Mapping: FIXPNT FIXED POINT Element type: Symbol</p>	<p>Survey/Mapping: FLARRL FLOW ARROW LEFT IN 0 POINT Element type: Symbol</p>	<p>Survey/Mapping: FLARRR FLOW ARROW RIGHT IN 0 POINT Element type: Symbol</p>

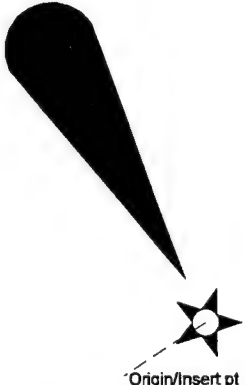
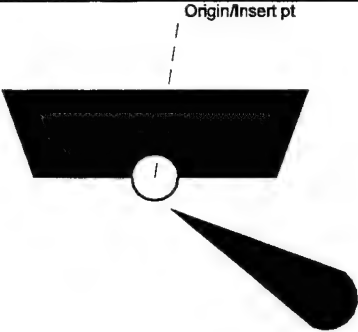
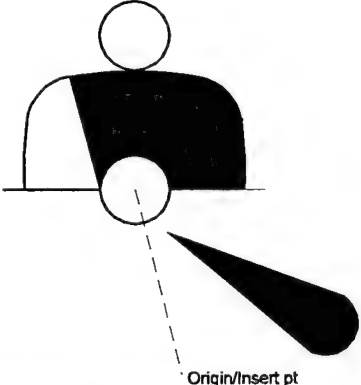
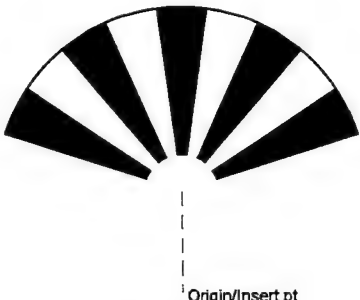
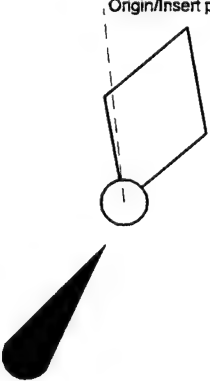
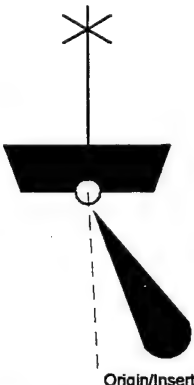
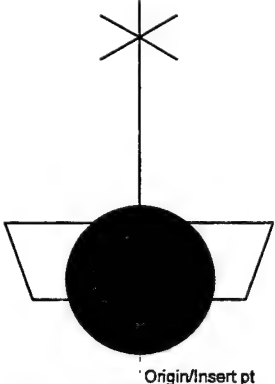
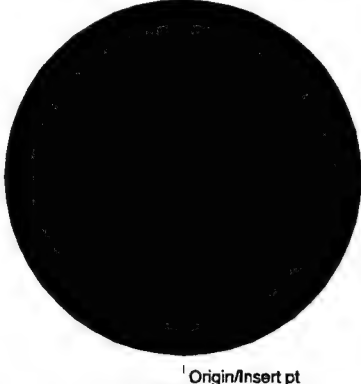
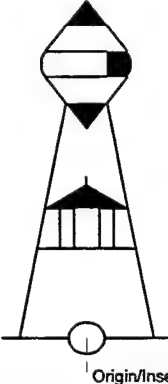
		
<p>Survey/Mapping: FLDGAT FLOOD GATE Element type: Symbol</p>	<p>Survey/Mapping: FOG FOG SIGNAL Element type: Symbol</p>	<p>Survey/Mapping: FOGBCN FOG SIGNAL BEACON Element type: Symbol</p>
		
<p>Survey/Mapping: FOGBY FOG SIGNAL BUOY Element type: Symbol</p>	<p>Survey/Mapping: FOGLS FOG SIGNAL LIGHT SHIP Element type: Symbol</p>	<p>Survey/Mapping: FOGLSM FOG SIG LIGHT SHIP MANNED Element type: Symbol</p>
		
<p>Survey/Mapping: FOMETR FUEL OIL METER Element type: Symbol</p>	<p>Survey/Mapping: FOMHOL FUEL OIL MANHOLE Element type: Symbol</p>	<p>Survey/Mapping: FOVALT FUEL OIL VAULT Element type: Symbol</p>


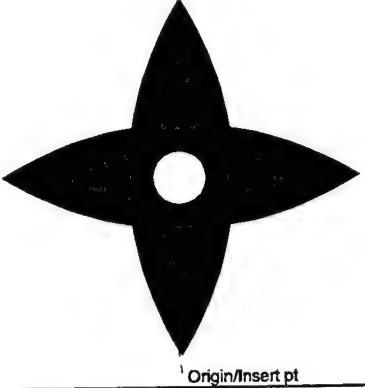
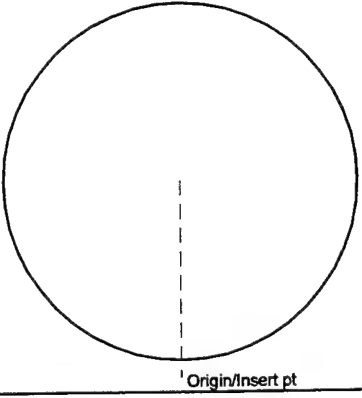
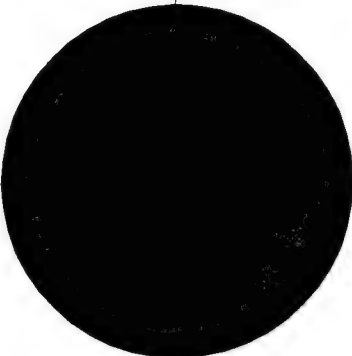
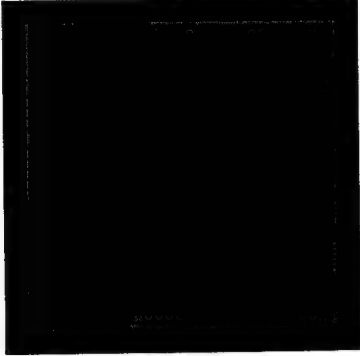
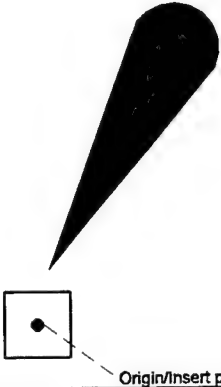
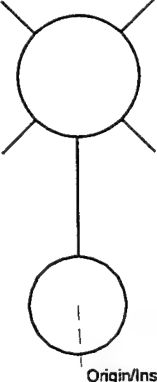
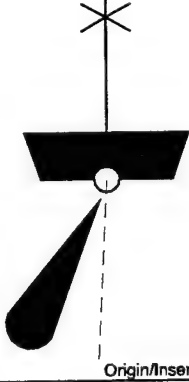
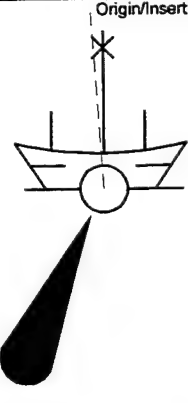
		
<p>Survey/Mapping: GREASE GREASE TRAP Element type: Symbol</p>	<p>Survey/Mapping: GRITCH GRIT CHAMBER Element type: Symbol</p>	<p>Survey/Mapping: GSMETR GAS METER Element type: Symbol</p>
		
<p>Survey/Mapping: GSMHOL GAS MANHOLE Element type: Symbol</p>	<p>Survey/Mapping: GSPLNT GAS PLANT Element type: Symbol</p>	<p>Survey/Mapping: GSRECR GAS RECEIVER Element type: Symbol</p>
		
<p>Survey/Mapping: GSTRAP GAS TRAP Element type: Symbol</p>	<p>Survey/Mapping: GSVALT GAS VALVE VAULT Element type: Symbol</p>	<p>Survey/Mapping: HEADWL HEADWALL Element type: Symbol</p>

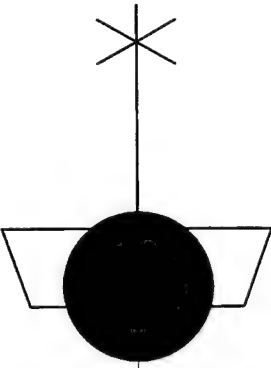
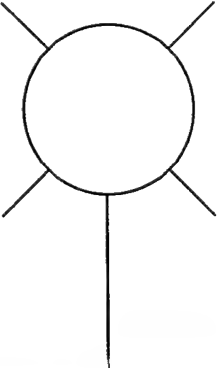
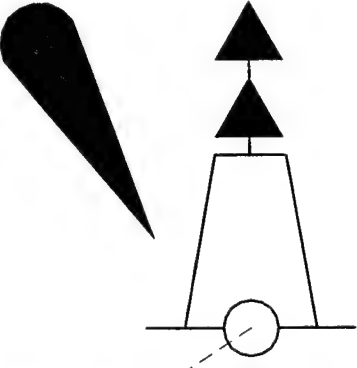
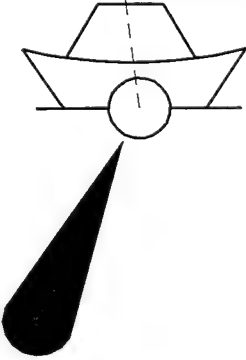
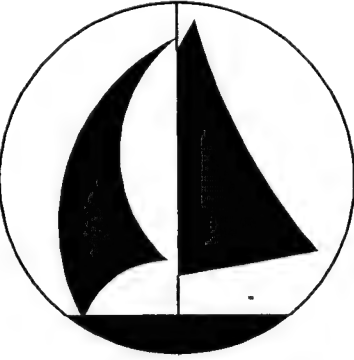
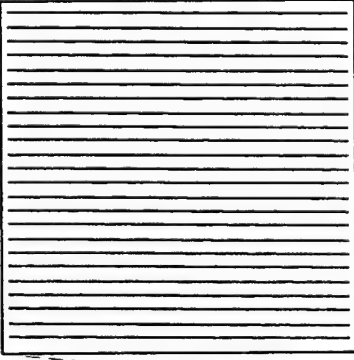
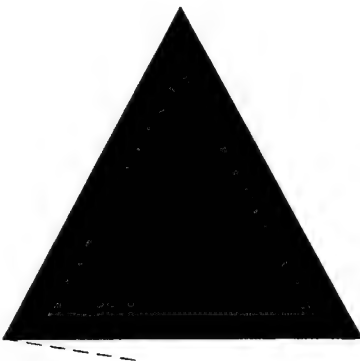
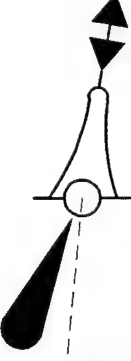
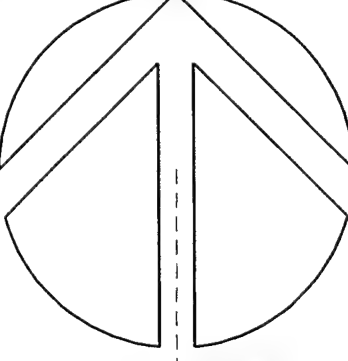
		
<p>Survey/Mapping: HLL HOVERLANE Element type: Symbol</p>	<p>Survey/Mapping: HLLL HOVERLANE LIMIT LIGHT Element type: Symbol</p>	<p>Survey/Mapping: HORCPT HORIZONTAL CONTROL PT Element type: Symbol</p>
		
<p>Survey/Mapping: HOVCPT HORIZ VERT CONTROL PT Element type: Symbol</p>	<p>Survey/Mapping: HPIL HELIPAD INSET LIGHT Element type: Symbol</p>	<p>Survey/Mapping: HPPEL HELIPAD PER LIGHT_ELEVATED Element type: Symbol</p>
		
<p>Survey/Mapping: HPPLSF HELIPAD PERLIGHT_SEMIFLUSH Element type: Symbol</p>	<p>Survey/Mapping: HUREYE HURRICANE EYE Element type: Symbol</p>	<p>Survey/Mapping: HYDRNT HYDRANT Element type: Symbol</p>

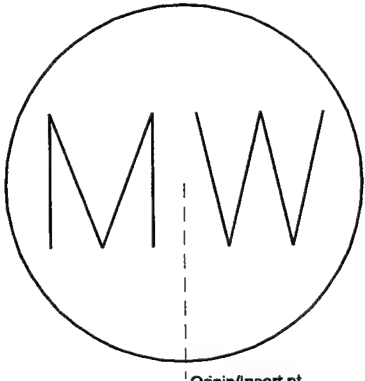
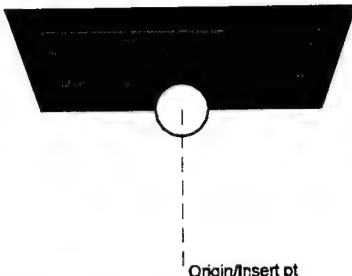
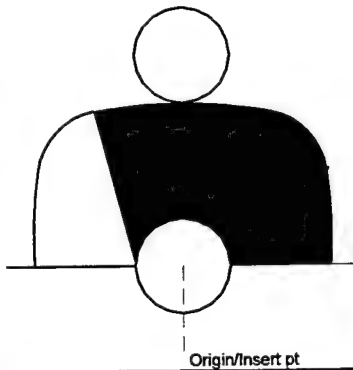
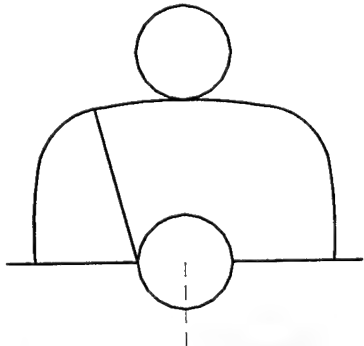
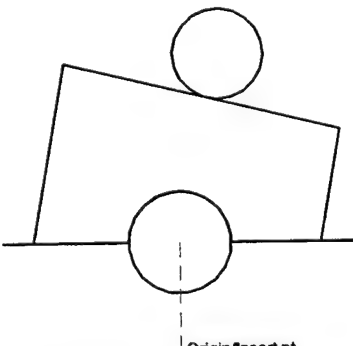

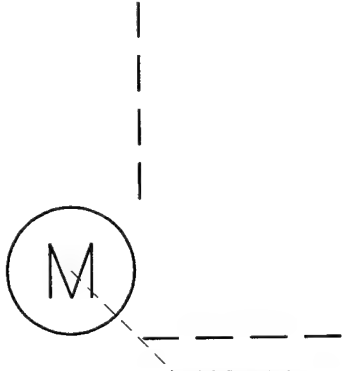
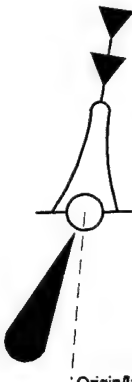
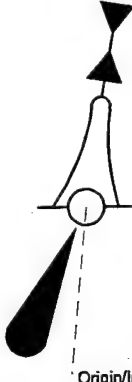
		
<p>Survey/Mapping: INSHWY INTERSTATE HIGHWAY SYMBOL Element type: Symbol</p>	<p>Survey/Mapping: INSTBY OIL GAS INSTALL BUOY Element type: Symbol</p>	<p>Survey/Mapping: IWMETR INDUSTRIAL WASTE WATR METER Element type: Symbol</p>
		
<p>Survey/Mapping: IWMHOL INDUSTRIAL WASTE WATR MANHL Element type: Symbol</p>	<p>Survey/Mapping: JETTY JETTY Element type: Symbol</p>	<p>Survey/Mapping: JNBX EXTERIOR UTIL JUNCTION BOX Element type: Symbol</p>
		
<p>Survey/Mapping: KELP KELP SEAWEED Element type: Symbol</p>	<p>Survey/Mapping: LANBY1 LANBY SUPERBUOY NAVAID Element type: Symbol</p>	<p>Survey/Mapping: LANBY2 LANBY SUPERBUOY NAVAID Element type: Symbol</p>

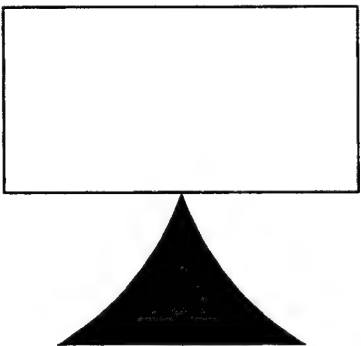
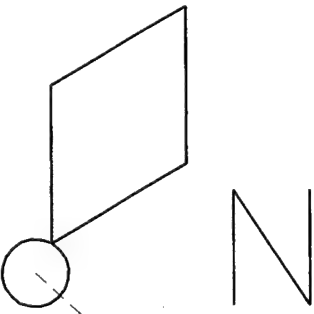
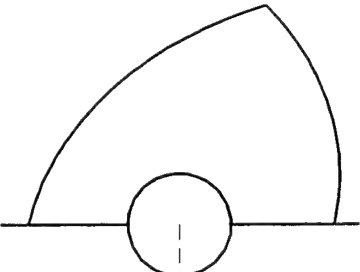
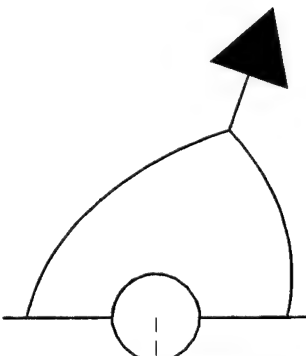
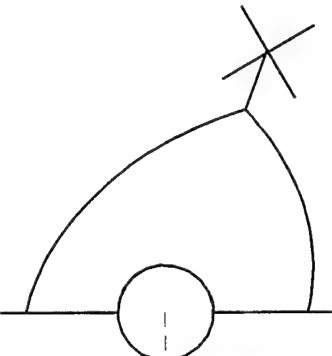
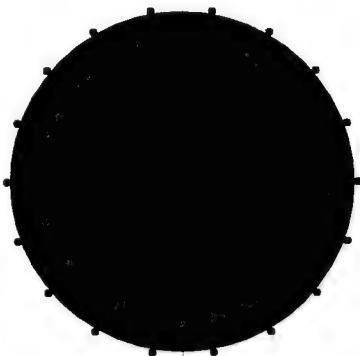
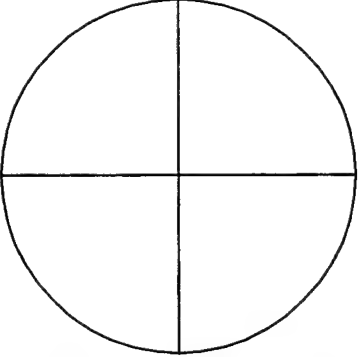
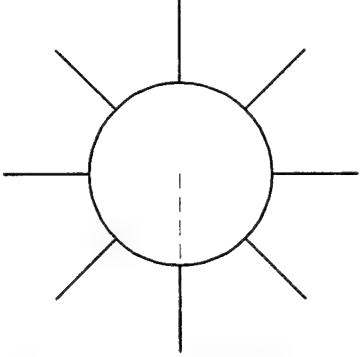
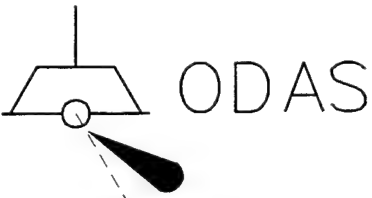
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: LATBCN LATTICE BEACON Element type: Symbol</p>	<p>Survey/Mapping: LIFEBT LIFEBOAT STATION Element type: Symbol</p>	<p>Survey/Mapping: LIFEM1 LIFEBOAT AT MOORING Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: LIFEM2 LIFEBOAT AT MOORING Element type: Symbol</p>	<p>Survey/Mapping: LIMIT LIMIT OF SAFETY ZONE Element type: Symbol</p>	<p>Survey/Mapping: LITSV1 FLOATING LIGHT Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: LITSV2 FLOATING LIGHT Element type: Symbol</p>	<p>Survey/Mapping: LOOKTR LOOKOUT STATION WATCH Element type: Symbol</p>	<p>Survey/Mapping: LTART ARTICULATED LIGHT Element type: Symbol</p>

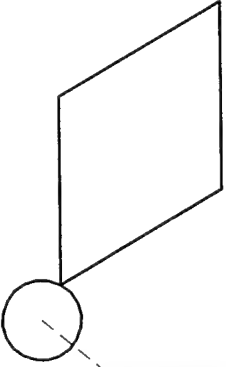
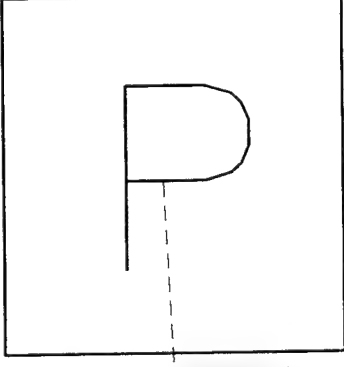
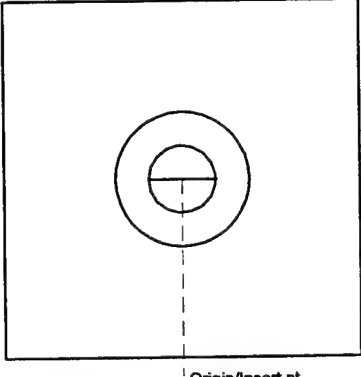
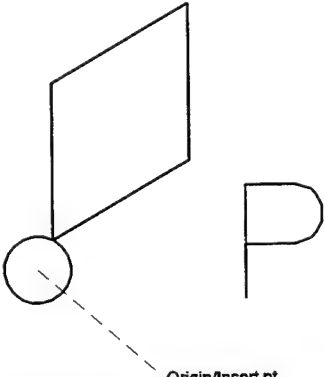
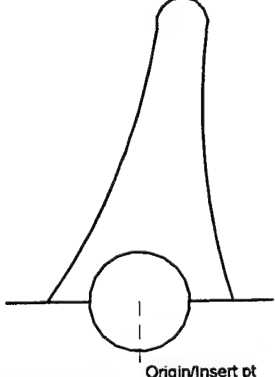
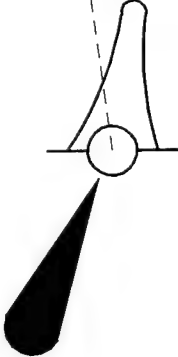
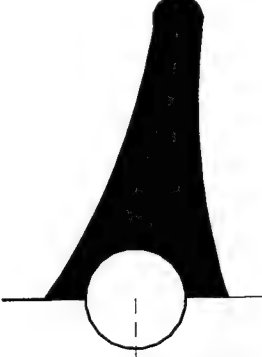
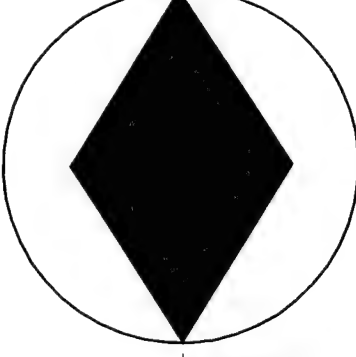
		
<p>Survey/Mapping: LTBEAC LIGHTED BEACON Element type: Symbol</p>	<p>Survey/Mapping: LTBY LIGHTED BUOY Element type: Symbol</p>	<p>Survey/Mapping: LTBYBB LIGHTED BARREL BUOY BLACK Element type: Symbol</p>
		
<p>Survey/Mapping: LTFLD FLOODLIGHT Element type: Symbol</p>	<p>Survey/Mapping: LTFLT LIGHT FLOAT Element type: Symbol</p>	<p>Survey/Mapping: LTFLT1 LIGHT FLOAT IALA Element type: Symbol</p>
		
<p>Survey/Mapping: LTFLT2 LIGHT FLOAT IALA Element type: Symbol</p>	<p>Survey/Mapping: LTHOU1 LIGHTHOUSE Element type: Symbol</p>	<p>Survey/Mapping: LTHOU2 LIGHTHOUSE Element type: Symbol</p>

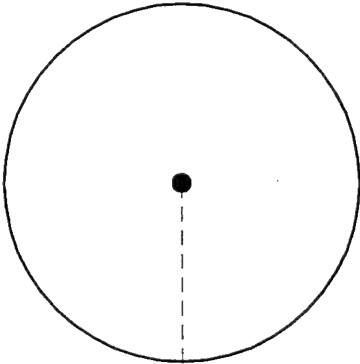

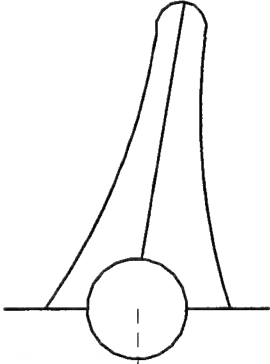
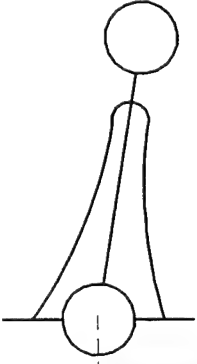
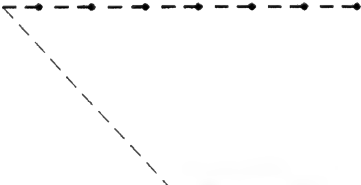
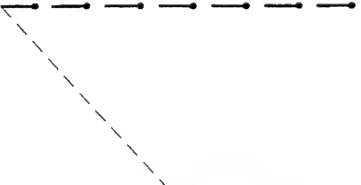
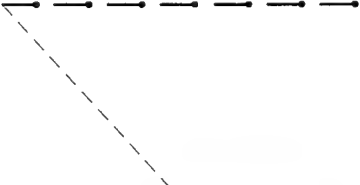
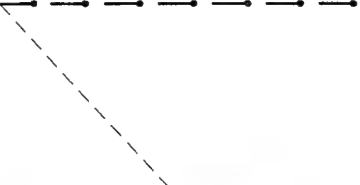
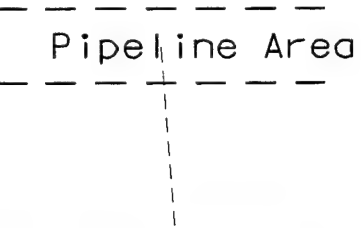
		
<p>Survey/Mapping: LTMAJ1 MAJOR FLOATING LIGHT Element type: Symbol</p>	<p>Survey/Mapping: LTMAJ2 MAJOR FLOATING LIGHT Element type: Symbol</p>	<p>Survey/Mapping: LTMARK LIGHTED MARKER Element type: Symbol</p>
		
<p>Survey/Mapping: LTMIN2 MINOR FLOATING LIGHT Element type: Symbol</p>	<p>Survey/Mapping: LTPLT1 LIGHTED PLATFORM Element type: Symbol</p>	<p>Survey/Mapping: LTPLT2 LIGHTED PLATFORM Element type: Symbol</p>
		
<p>Survey/Mapping: LTPLX LIGHT POLE_EXISTING Element type: Symbol</p>	<p>Survey/Mapping: LTSHP1 LIGHTED VESSEL LIGHTSHIP Element type: Symbol</p>	<p>Survey/Mapping: LTSHP2 LIGHTED VESSEL LIGHTSHIP Element type: Symbol</p>

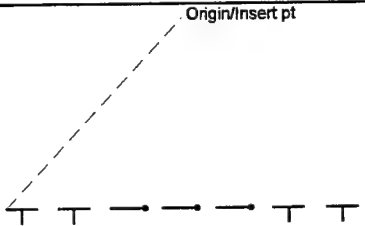
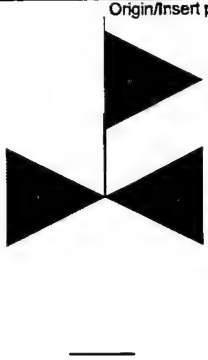
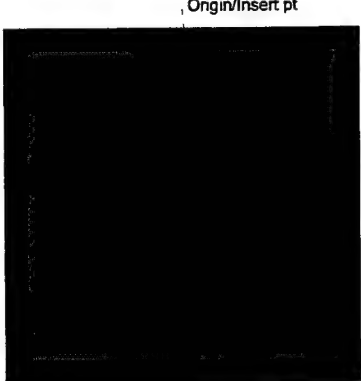
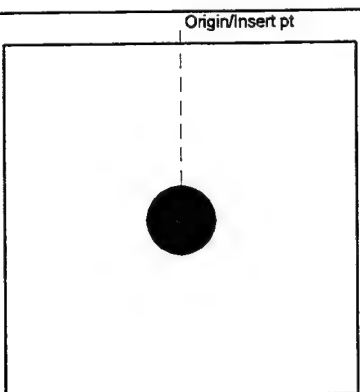

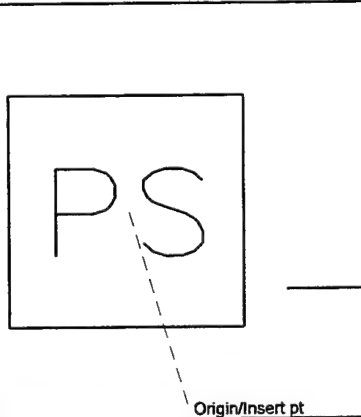
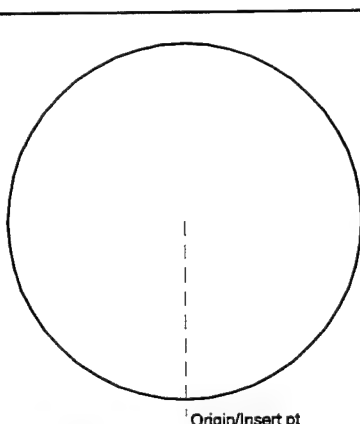
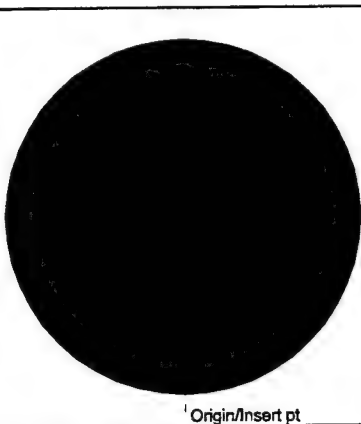
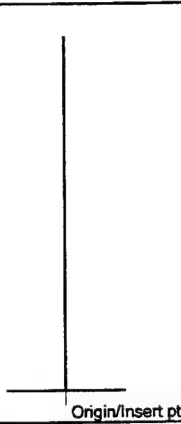
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: LTSHP3 LIGHTED VESSEL LIGHTSHIP Element type: Symbol</p>	<p>Survey/Mapping: LTSTRX STREET LITE BRACKET_EXIST Element type: Symbol</p>	<p>Survey/Mapping: LTTOW2 LIGHTED BEACON TOWER Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: LTVES2 UNMANNED LIGHT VESSEL Element type: Symbol</p>	<p>Survey/Mapping: MARINA BOAT HARBOR MARINA Element type: Symbol</p>	<p>Survey/Mapping: MARKGD GREEN DAY MARKER Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: MARKRD RED DAY MARKER Element type: Symbol</p>	<p>Survey/Mapping: MEAST LIGHTED EAST MARKER BUOY Element type: Symbol</p>	<p>Survey/Mapping: MNORTH NORTH ARROW Element type: Symbol</p>

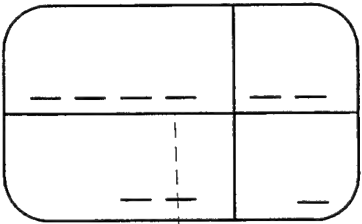
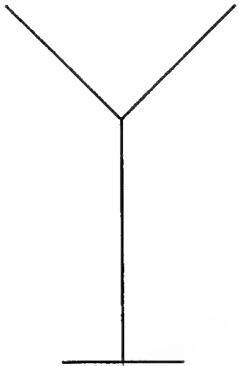
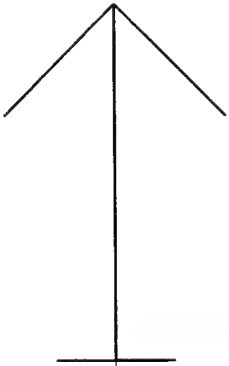

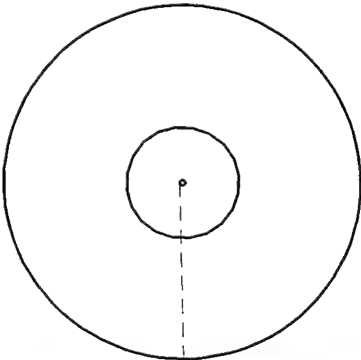
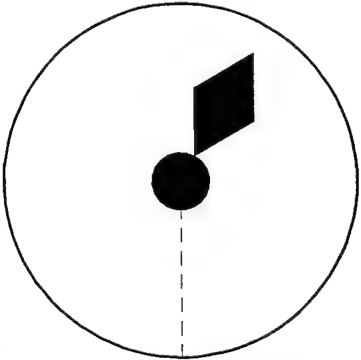
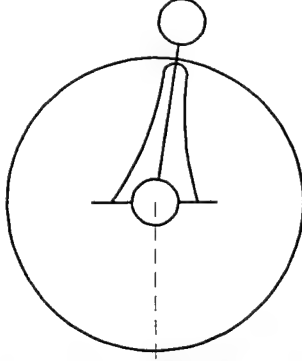
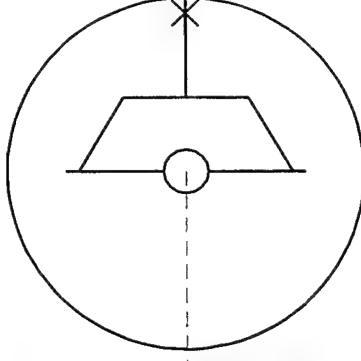
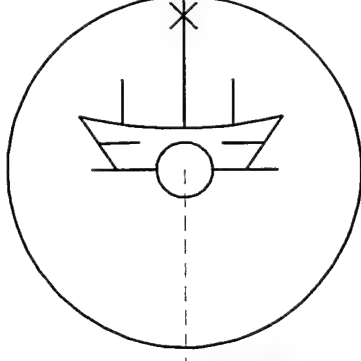
		
<p>Survey/Mapping: MONWEL MONITORING WELL Element type: Symbol</p>	<p>Survey/Mapping: MORB MOORING BUOY Element type: Symbol</p>	<p>Survey/Mapping: MORBBB MOORING BARREL BUOY BLACK Element type: Symbol</p>
		
<p>Survey/Mapping: MORBBW MOORING BARREL BUOY WHITE Element type: Symbol</p>	<p>Survey/Mapping: MORBCW MOORING CAN BUOY WHITE Element type: Symbol</p>	<p>Survey/Mapping: MORTWR MOORING TOWER Element type: Symbol</p>
		
<p>Survey/Mapping: MOTRHP MOTOR HP Element type: Symbol</p>	<p>Survey/Mapping: MSOUTH LIGHTED SOUTH MARKER BUOY Element type: Symbol</p>	<p>Survey/Mapping: MWEST LIGHTED WEST MARKER BUOY Element type: Symbol</p>

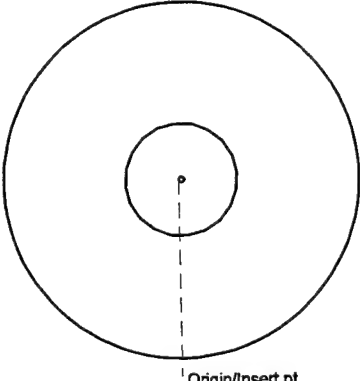
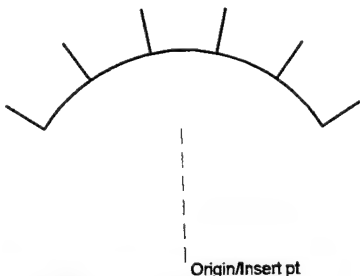
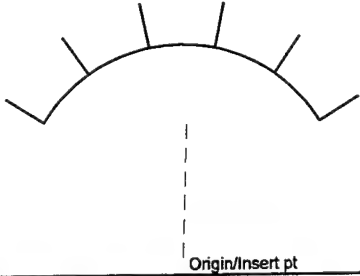
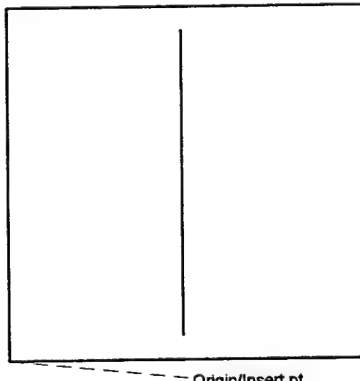
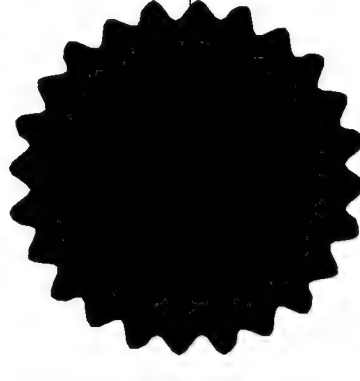
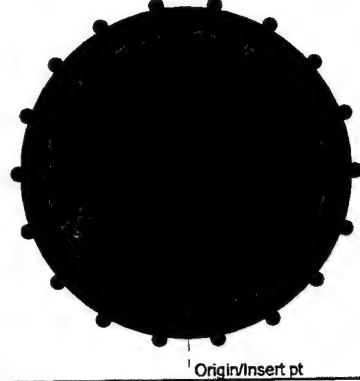
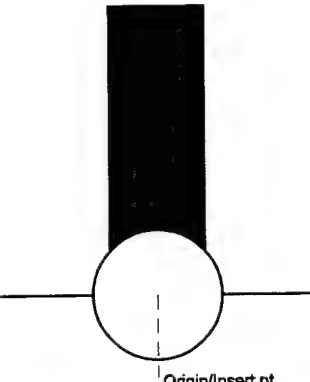
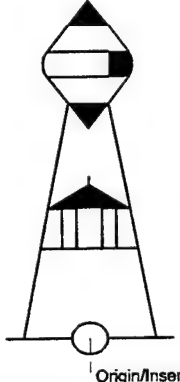
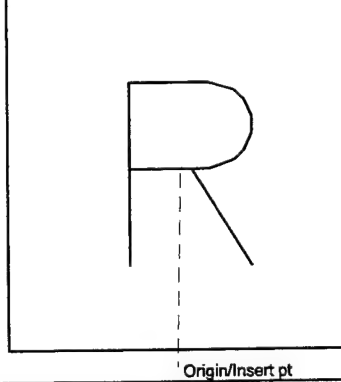
		
<p>Survey/Mapping: NOTICE NOTICE BOARD Element type: Symbol</p>	<p>Survey/Mapping: NUN1 NUN BUOY Element type: Symbol</p>	<p>Survey/Mapping: NUN2 NUNBUOY Element type: Symbol</p>
		
<p>Survey/Mapping: NUNBT BLACK NUN BUOY W TOPMARK Element type: Symbol</p>	<p>Survey/Mapping: NUNWT WHITE NUN BUOY W TOPMARK Element type: Symbol</p>	<p>Survey/Mapping: OBS OBSTRUCTION Element type: Symbol</p>
		
<p>Survey/Mapping: OBSSPT OBSERVATION SPOT Element type: Symbol</p>	<p>Survey/Mapping: OBSTRL OBSTRUCTION LIGHT Element type: Symbol</p>	<p>Survey/Mapping: ODAS ODAS BUOY DATA COLLECT Element type: Symbol</p>

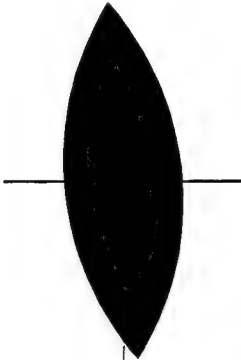

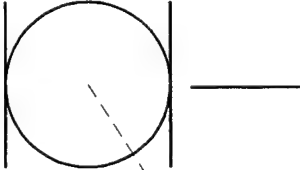
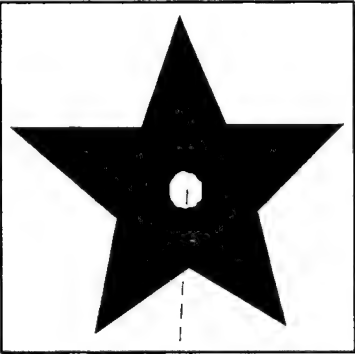
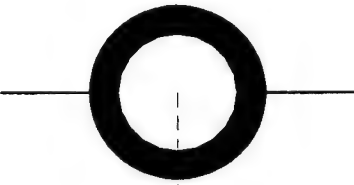
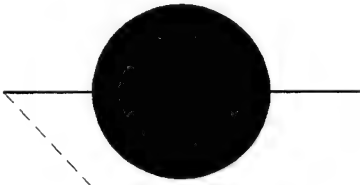
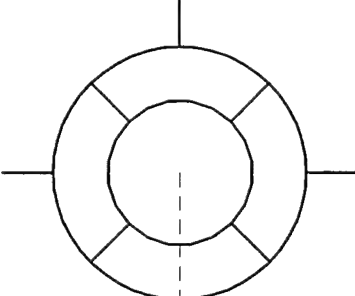
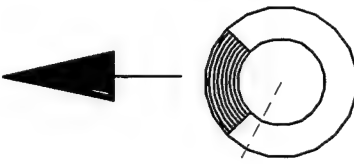
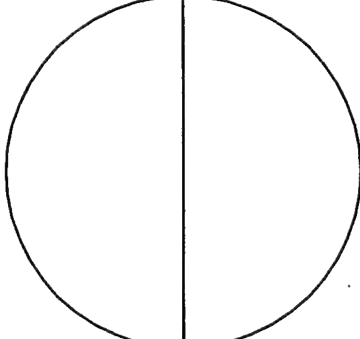
		
<p>Survey/Mapping: OUTB BUOY MARKING OUTFALL Element type: Symbol</p>	<p>Survey/Mapping: PAPI PAPI LIGHT UNIT Element type: Symbol</p>	<p>Survey/Mapping: PHOCPT PHOTO CONTROL POINT Element type: Symbol</p>
<p>Origin/Insert pt</p> <p>P.I. = ----- P.C. = ----- P.T. = ----- Δ = ----- D = ----- R = ----- T = ----- L = -----</p>		
<p>Survey/Mapping: PIINFO PI INFORMATION Element type: Symbol</p>	<p>Survey/Mapping: PIL1 PILLAR BUOY Element type: Symbol</p>	<p>Survey/Mapping: PIL2 PILLAR BUOY Element type: Symbol</p>
<p>Origin/Insert pt</p> 		
<p>Survey/Mapping: PILLT LIGHTED PILLAR BUOY Element type: Symbol</p>	<p>Survey/Mapping: PILM MULT COLOR PILLAR BUOY Element type: Symbol</p>	<p>Survey/Mapping: PILOT BOARDING PLACE Element type: Symbol</p>

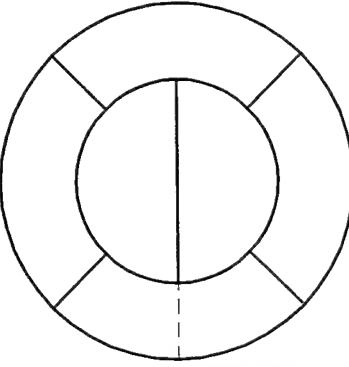
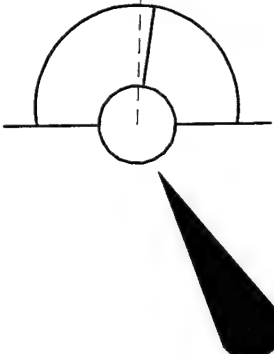
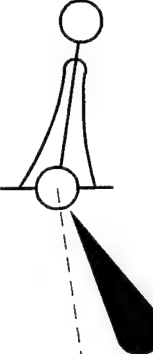
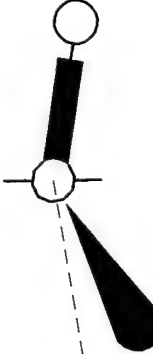
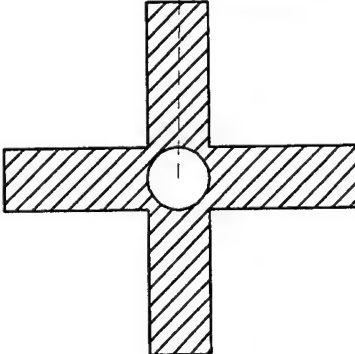
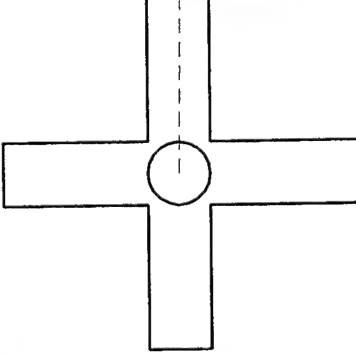
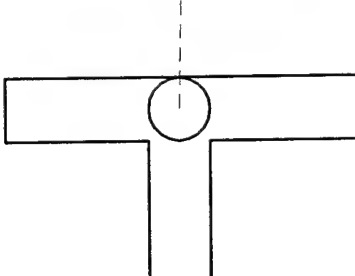
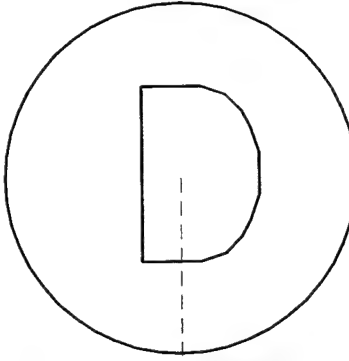
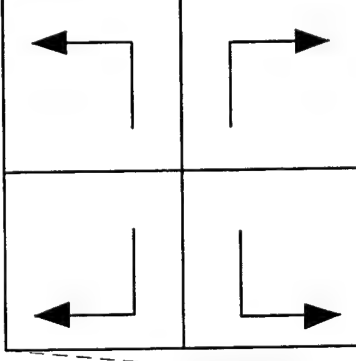
		
<p>Survey/Mapping: PILOT1 PILOT OFFICE Element type: Symbol</p>	<p>Survey/Mapping: PILOT2 PILOT OFFICE Element type: Symbol</p>	<p>Survey/Mapping: PILV VERT STRIPE PILLAR BUOY Element type: Symbol</p>
		
<p>Survey/Mapping: PILVT V STRP PILLAR BUOY W TOPMK Element type: Symbol</p>	<p>Survey/Mapping: PIPDIS DISUSED PIPELINE PIPE Element type: Symbol</p>	<p>Survey/Mapping: PIPE WATER SEWER OUTFALL INTAKE Element type: Symbol</p>
		
<p>Survey/Mapping: PIPE1 OIL GAS PIPELINE Element type: Symbol</p>	<p>Survey/Mapping: PIPE2 OIL GAS PIPELINE Element type: Symbol</p>	<p>Survey/Mapping: PIPES1 OIL GAS PIPELINE AREA Element type: Symbol</p>

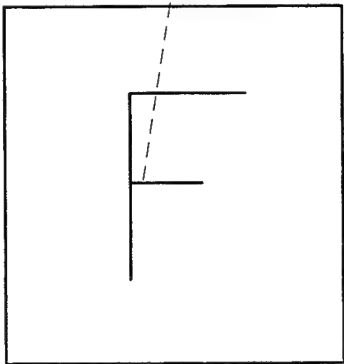
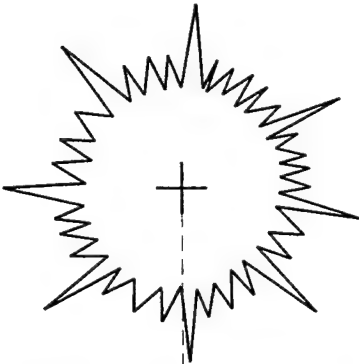
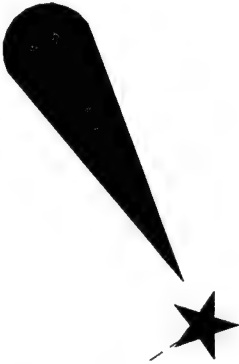
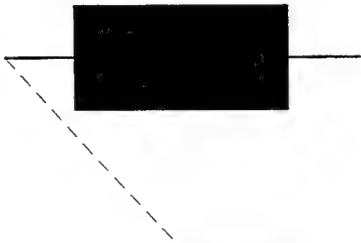
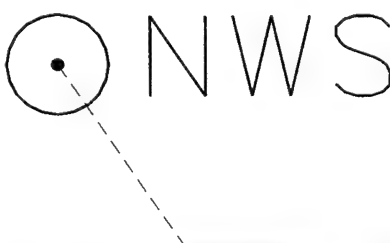
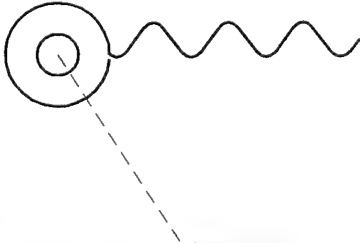
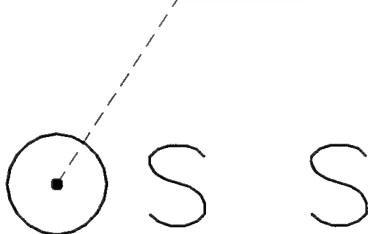
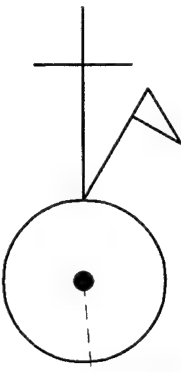

		
<p>Survey/Mapping: PIPES2 OIL GAS PIPELINE AREA Element type: Symbol</p>	<p>Survey/Mapping: PIVALV POST INDICATOR VALVE Element type: Symbol</p>	<p>Survey/Mapping: PLAT1 PROD PLATFORM OIL DERRICK Element type: Symbol</p>
		
<p>Survey/Mapping: PLAT2 PROD PLATFORM OIL DERRICK Element type: Symbol</p>	<p>Survey/Mapping: PLAT3 PROD PLATFORM OIL DERRICK Element type: Symbol</p>	<p>Survey/Mapping: PMPSTA PUMP STATION Element type: Symbol</p>
		
<p>Survey/Mapping: POLE1 POLE STAKE PERCH Element type: Symbol</p>	<p>Survey/Mapping: POLE2 POLE STAKE PERCH Element type: Symbol</p>	<p>Survey/Mapping: POLE3 POLE STAKE PERCH Element type: Symbol</p>

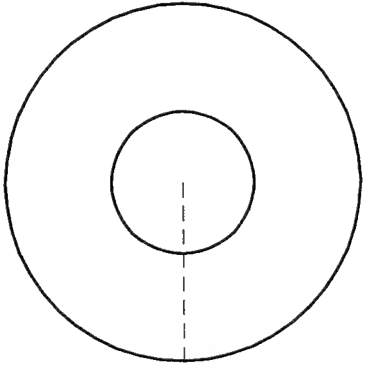


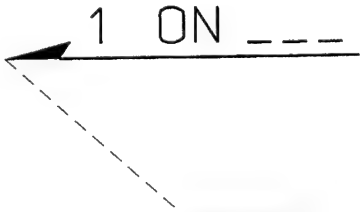
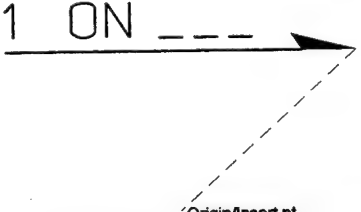
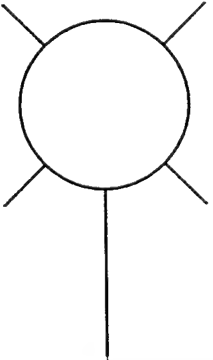
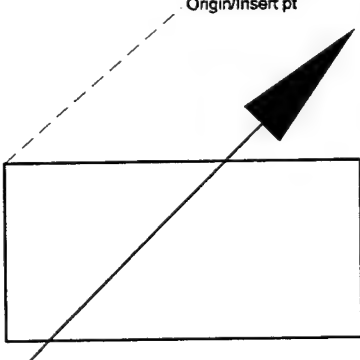
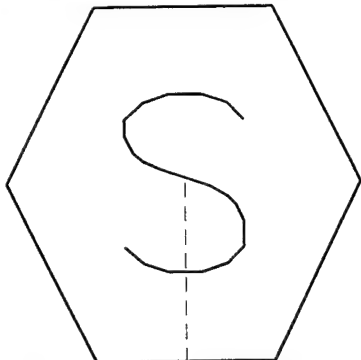
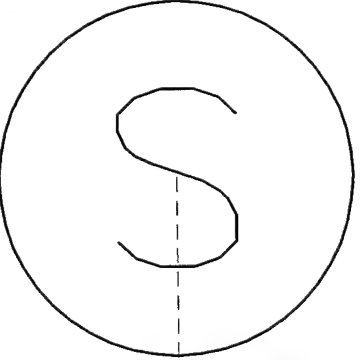
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: POLEID POLE IDENT. SYMBOL Element type: Symbol</p>	<p>Survey/Mapping: POLEP PORT HAND STAKE POLE Element type: Symbol</p>	<p>Survey/Mapping: POLES STARBOARD HAND POLE STAKE Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: PRIVB PRIVATE BARREL BUOY Element type: Symbol</p>	<p>Survey/Mapping: RADAR RADAR STATION OR BEACON Element type: Symbol</p>	<p>Survey/Mapping: RADAR1 FLOATING RADAR BEACON Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: RADAR2 FLOATING RADAR BEACON Element type: Symbol</p>	<p>Survey/Mapping: RADAR3 FLOATING RADAR BEACON Element type: Symbol</p>	<p>Survey/Mapping: RADAR4 FLOATING RADAR BEACON Element type: Symbol</p>

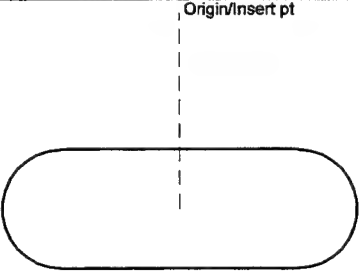
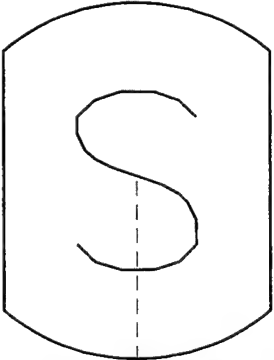
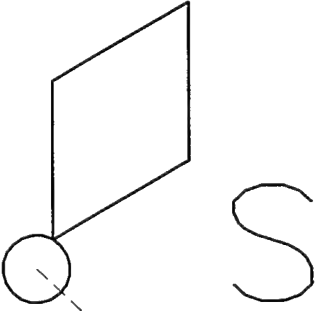
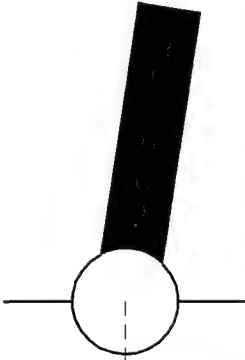
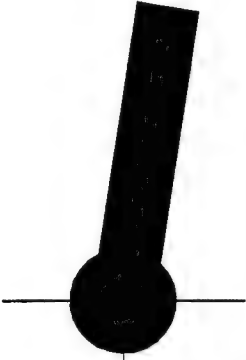

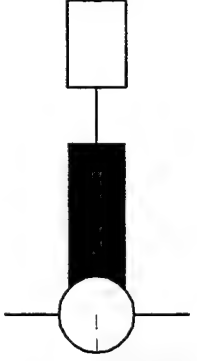
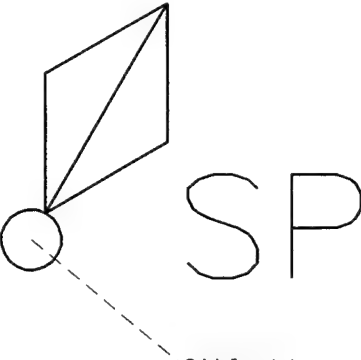
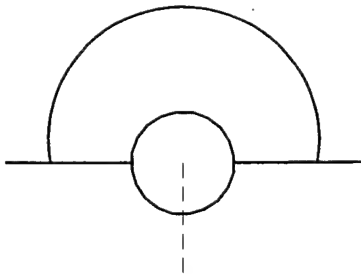
		
<p>Survey/Mapping: RADIO RADIO BEACON GENERAL Element type: Symbol</p>	<p>Survey/Mapping: RADRF1 RADAR REFLECTOR OR FEATURE Element type: Symbol</p>	<p>Survey/Mapping: RADRF2 RADAR REFLECTOR OR FEATURE Element type: Symbol</p>
		
<p>Survey/Mapping: RANGEX RANGE EXTENSION Element type: Symbol</p>	<p>Survey/Mapping: REEF CORAL REEF LARGE ICON Element type: Symbol</p>	<p>Survey/Mapping: REEF1 CORAL REEF SMALL ICON Element type: Symbol</p>
		
<p>Survey/Mapping: REFUG1 REFUGE BEACON Element type: Symbol</p>	<p>Survey/Mapping: REFUG2 REFUGE BEACON Element type: Symbol</p>	<p>Survey/Mapping: REIL REIL LIGHT UNIT Element type: Symbol</p>

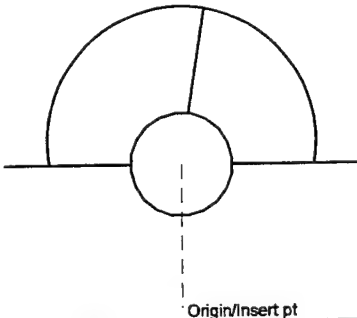
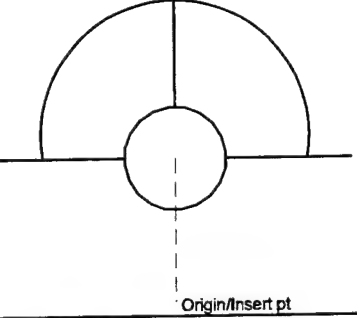
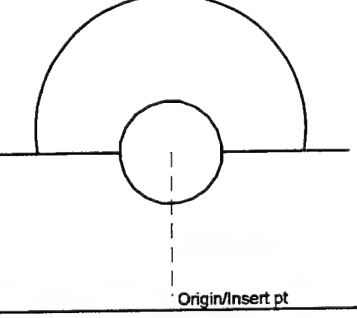


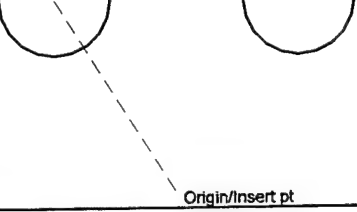
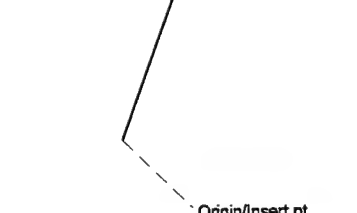
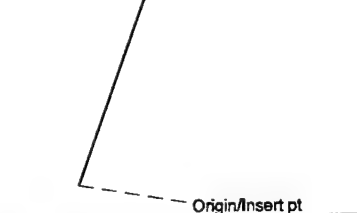
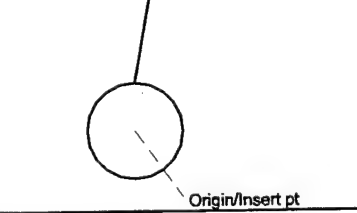
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: RESCUE RESCUE STATION Element type: Symbol</p>	<p>Survey/Mapping: RESPLT OBS RESEARCH PLATFORM Element type: Symbol</p>	<p>Survey/Mapping: RGVALV REGULATOR VALVE Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: RSTAR RANGE STAR Element type: Symbol</p>	<p>Survey/Mapping: RVMMOP OPEN RIVER MILE MARKER Element type: Symbol</p>	<p>Survey/Mapping: RVMMSO SOLID RIVER MILE MARKER Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: RWCLL RW CENTERLINE LIGHT Element type: Symbol</p>	<p>Survey/Mapping: RWEL RW END LIGHT Element type: Symbol</p>	<p>Survey/Mapping: RWLEL RW EDGE LIGHT_ELEVATED Element type: Symbol</p>

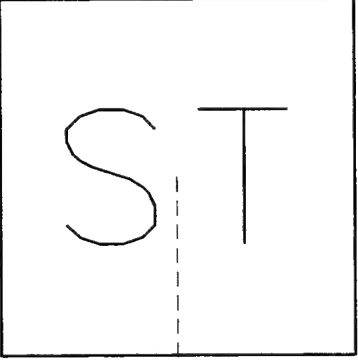
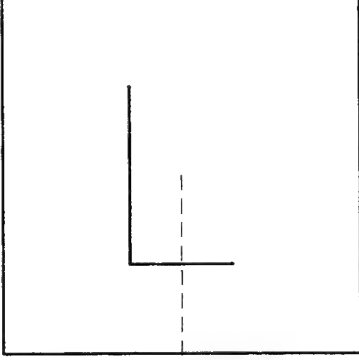
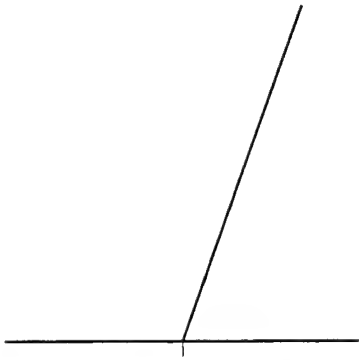
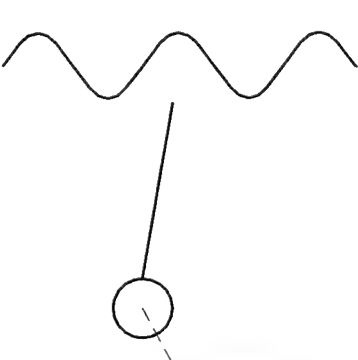
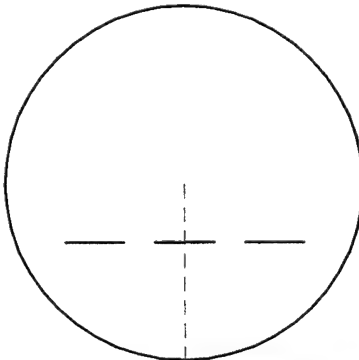
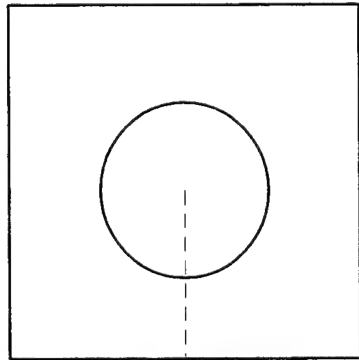
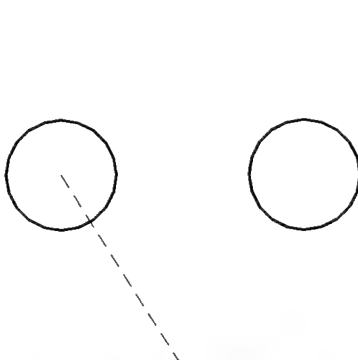
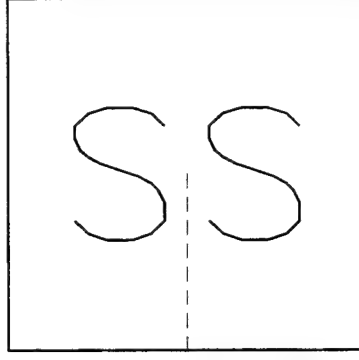
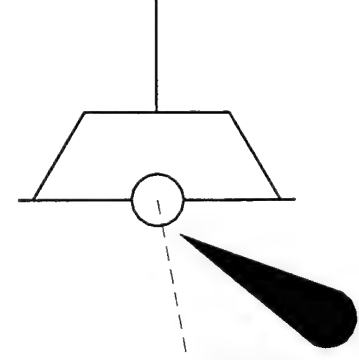
		
<p>Survey/Mapping: RWLSF RW EDGE LIGHT SEMIFLUSH Element type: Symbol</p>	<p>Survey/Mapping: SAFE1 LIGHTED SAFE WATER MARK Element type: Symbol</p>	<p>Survey/Mapping: SAFE2 LIGHTED SAFE WATER MARK Element type: Symbol</p>
		
<p>Survey/Mapping: SAFE3 LIGHTED SAFE WATER MARK Element type: Symbol</p>	<p>Survey/Mapping: SCNRH SECTION CORNER HATCHED Element type: Symbol</p>	<p>Survey/Mapping: SCNRO SECTION CORNER OPEN Element type: Symbol</p>
		
<p>Survey/Mapping: SCNRT SECTION CORNER T OPEN Element type: Symbol</p>	<p>Survey/Mapping: SDMHOL STORM DRAINAGE MANHOLE Element type: Symbol</p>	<p>Survey/Mapping: SECCUT TYPICAL SECTION CUT Element type: Symbol</p>

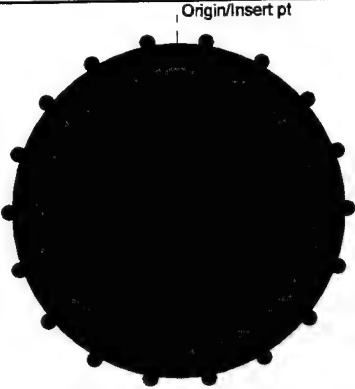
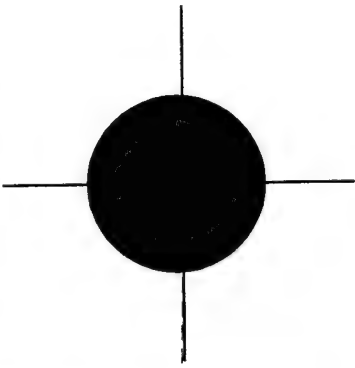
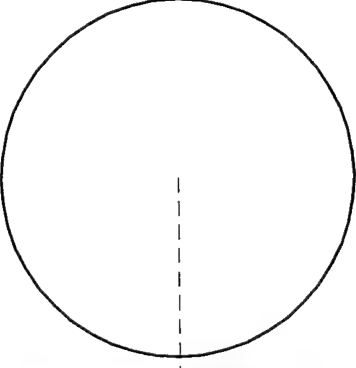
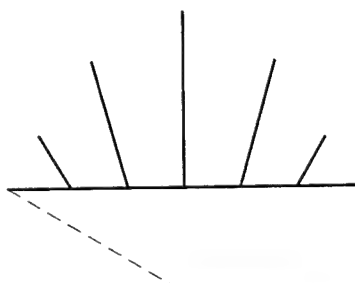
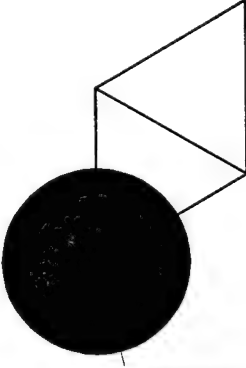
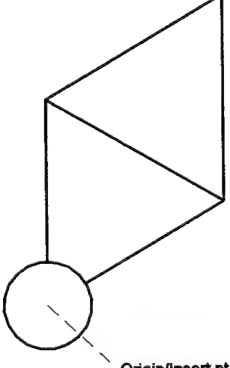

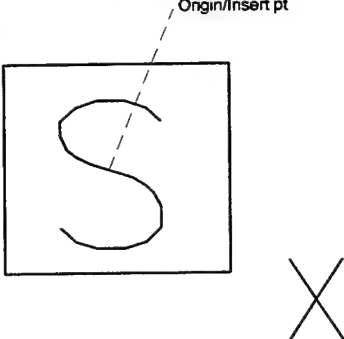
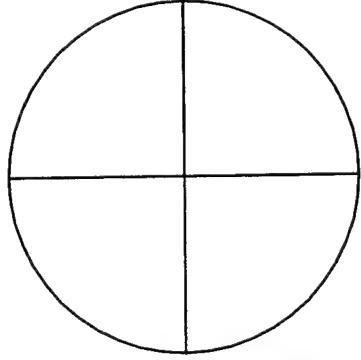
		
<p>Survey/Mapping: SFL SEQUENCED FLASHER LIGHT Element type: Symbol</p>	<p>Survey/Mapping: SHRUBC CONIFEROUS SHRUB Element type: Symbol</p>	<p>Survey/Mapping: SIGBRG BRIDGE LIGHT INC TRAFFIC Element type: Symbol</p>
		
<p>Survey/Mapping: SIGN SIGN Element type: Symbol</p>	<p>Survey/Mapping: SIGNWS NAT WEATHER SVC STATION Element type: Symbol</p>	<p>Survey/Mapping: SIGSHO SUB SIGNAL CONNECT SHORE Element type: Symbol</p>
		
<p>Survey/Mapping: SIGST1 SIGNAL STATION GENERAL Element type: Symbol</p>	<p>Survey/Mapping: SIGST2 SIGNAL STATION GENERAL Element type: Symbol</p>	<p>Survey/Mapping: SIGSTP PORT CONTROL SIGNAL STATION Element type: Symbol</p>

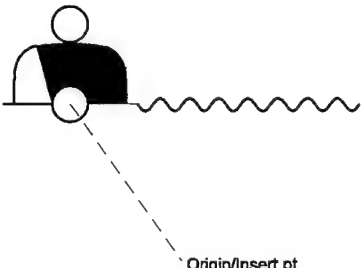
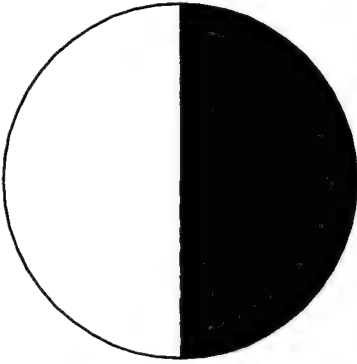
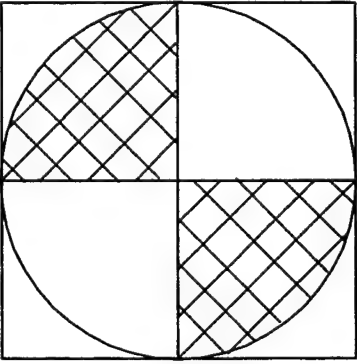
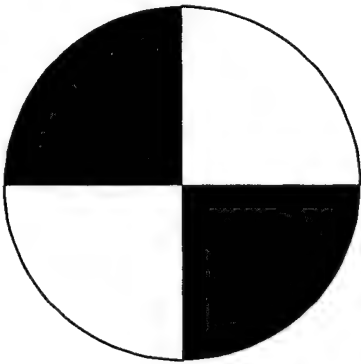
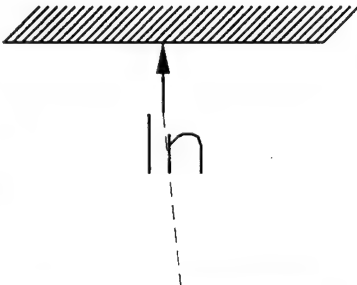
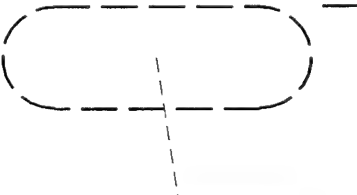
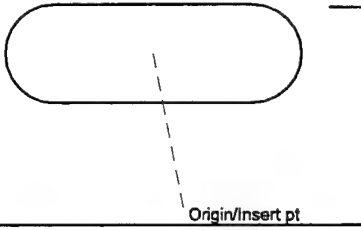
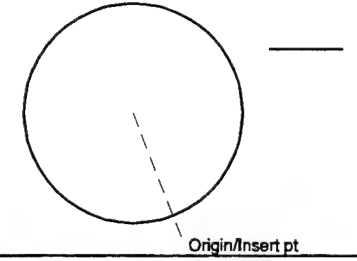
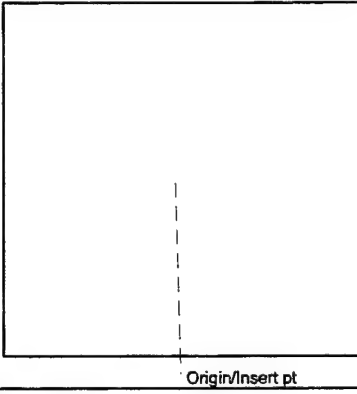
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: SIGSUB SUBMARINE SIGNAL Element type: Symbol</p>	<p>Survey/Mapping: SIRLH1 SIREN AT LIGHTHOUSE Element type: Symbol</p>	<p>Survey/Mapping: SIRLH2 SIREN AT LIGHTHOUSE Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: SLARRL SLOPE AR W ENTER DATA FIELD Element type: Symbol</p>	<p>Survey/Mapping: SLARRR SLOPE AR W ENTER DATA FIELD Element type: Symbol</p>	<p>Survey/Mapping: SLLX STREETLITE LUMINAIRE_EXIST Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: SLREG CONSTNT CURRENT TRANSFORMER Element type: Symbol</p>	<p>Survey/Mapping: SNMETR SANITARY METER Element type: Symbol</p>	<p>Survey/Mapping: SNMHOL SANITARY MANHOLE Element type: Symbol</p>

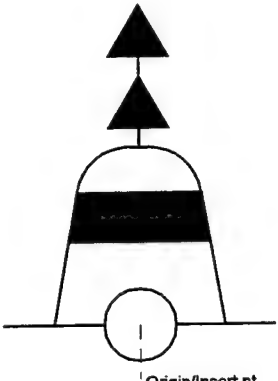
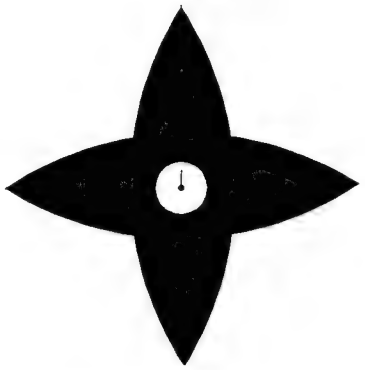
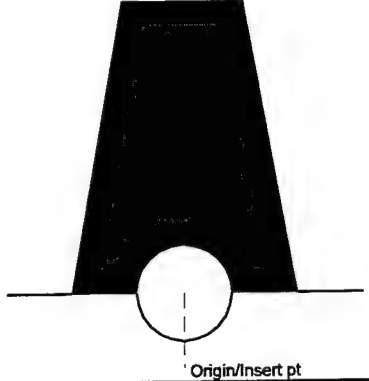
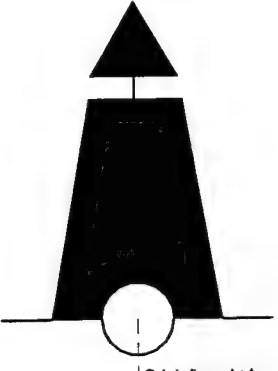
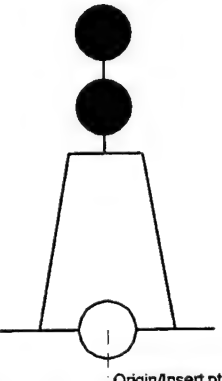
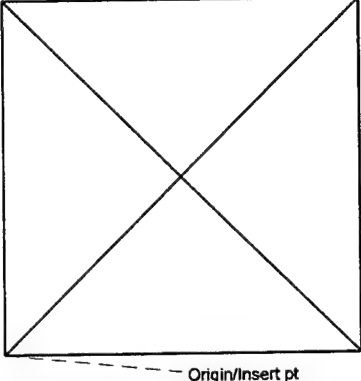
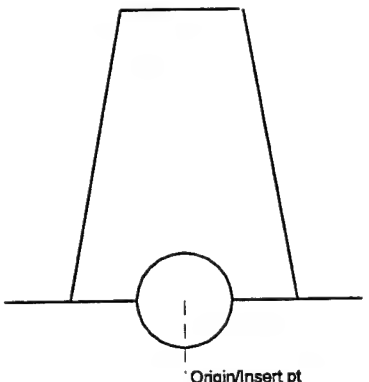
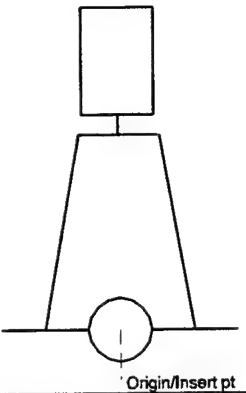
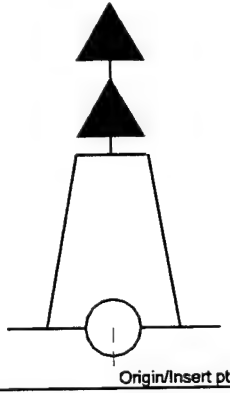
		
<p>Survey/Mapping: SNPVSL SANITARY PRESSURE VESSEL Element type: Symbol</p>	<p>Survey/Mapping: SNVALT SANITARY VALVE VAULT Element type: Symbol</p>	<p>Survey/Mapping: SPAR1 SPAR BUOY SPINDLE BUOY Element type: Symbol</p>
		
<p>Survey/Mapping: SPAR2 SPAR BUOY SPINDLE BUOY Element type: Symbol</p>	<p>Survey/Mapping: SPARB BLACK SPARBUOY Element type: Symbol</p>	<p>Survey/Mapping: SPARBT BLACK SPAR BUOY W TOPMARK Element type: Symbol</p>
		
<p>Survey/Mapping: SPARWT WHITE SPAR BUOY W TOP Element type: Symbol</p>	<p>Survey/Mapping: SPH1 SPHERICAL BUOY Element type: Symbol</p>	<p>Survey/Mapping: SPH2 SPHERICAL BUOY Element type: Symbol</p>

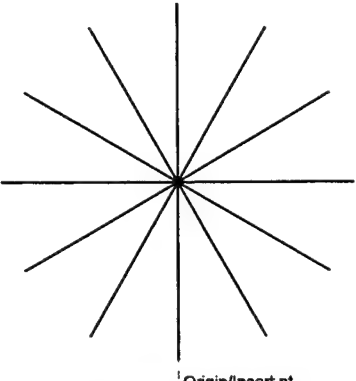
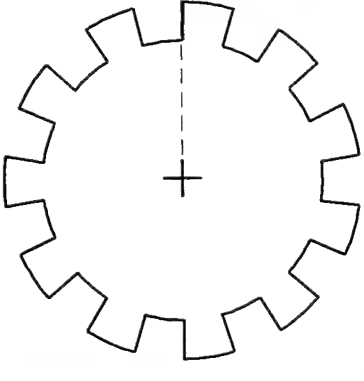
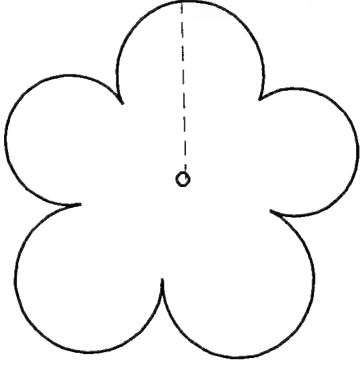
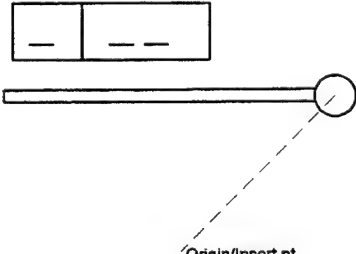
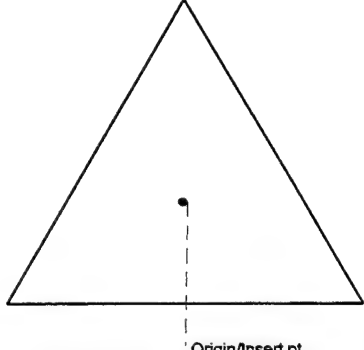
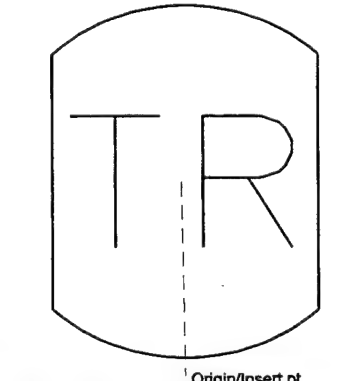
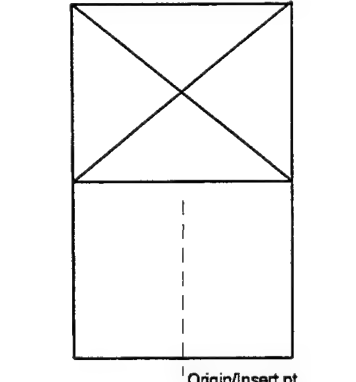
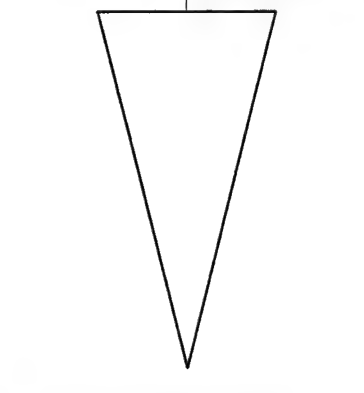
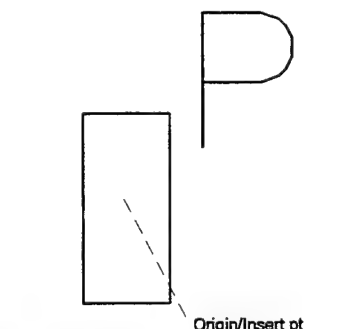
		
<p>Survey/Mapping: SPHD DIAG STRIPE SPHER BUOY Element type: Symbol</p>	<p>Survey/Mapping: SPHV VERT STRIPE SPHER BUOY Element type: Symbol</p>	<p>Survey/Mapping: SPHW WHITE SHERICAL BUOY Element type: Symbol</p>
		
<p>Survey/Mapping: SPILE SUBMERGED PILING Element type: Symbol</p>	<p>Survey/Mapping: SPILE1 SUBMERGED PILES Element type: Symbol</p>	<p>Survey/Mapping: SPILES SUBMERGED PILES Element type: Symbol</p>
		
<p>Survey/Mapping: SPILEX SUBMERGED PILE W POSITION Element type: Symbol</p>	<p>Survey/Mapping: SPOST SUBMERGED POST Element type: Symbol</p>	<p>Survey/Mapping: SPOSTX SUBMERGED POST W POSITION Element type: Symbol</p>

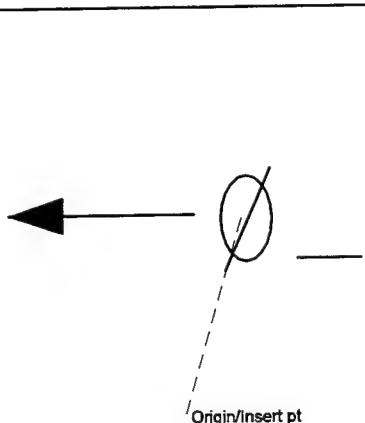
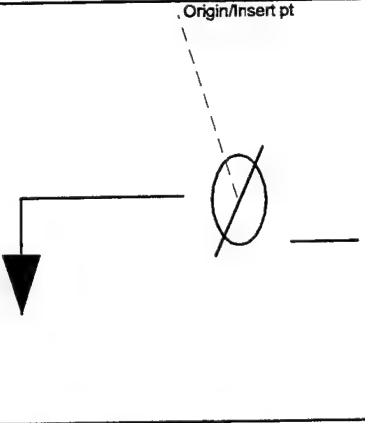
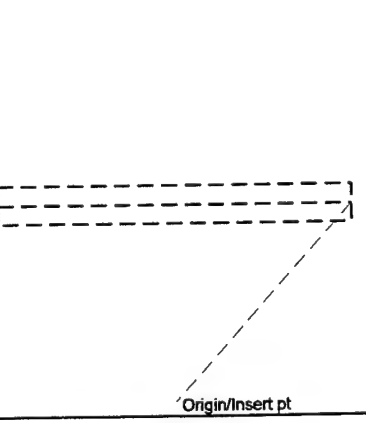
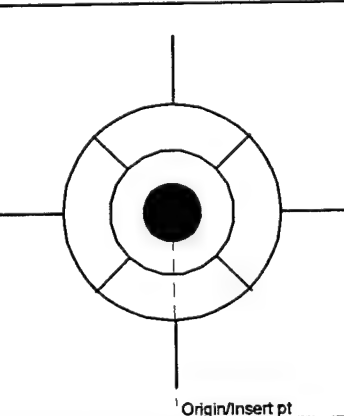
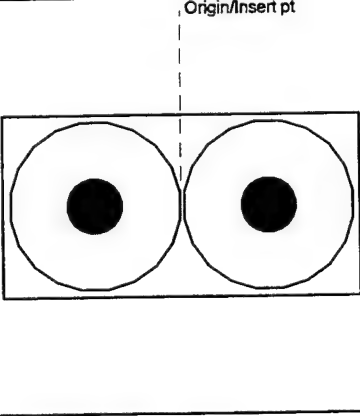
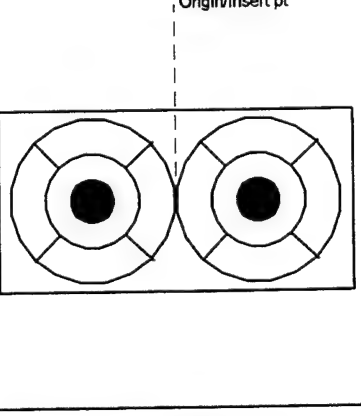
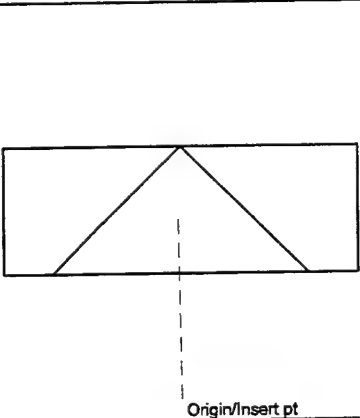
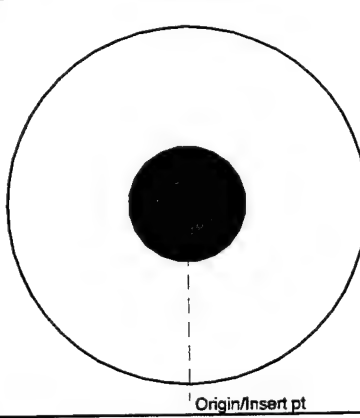
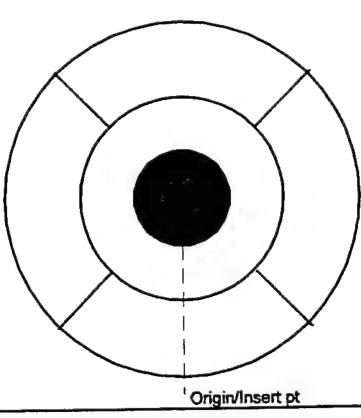
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: SPTANK SEPTIC TANK Element type: Symbol</p>	<p>Survey/Mapping: SSLSTA SANITARY SEWER LIFT STATION Element type: Symbol</p>	<p>Survey/Mapping: STAKE STAKE PERCH Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: STAKEX STAKE WITH POSITION Element type: Symbol</p>	<p>Survey/Mapping: STHWY STATE HIGHWAY SYMBOL Element type: Symbol</p>	<p>Survey/Mapping: STMPIT STEAM PIT Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: STUMPS SUBMERGED STUMPS Element type: Symbol</p>	<p>Survey/Mapping: SUBSTA SUBSTATION Element type: Symbol</p>	<p>Survey/Mapping: SUPER SUPER BUOY Element type: Symbol</p>

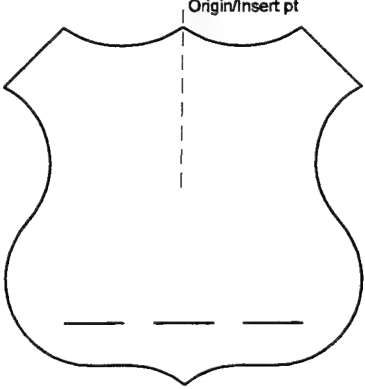
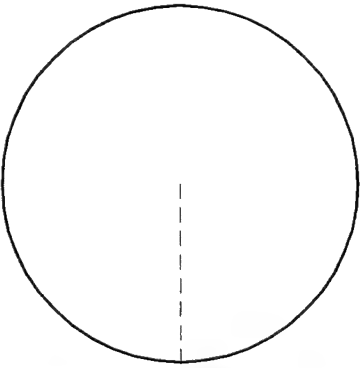
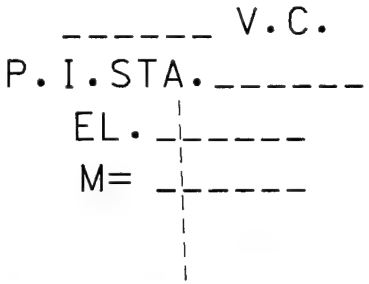
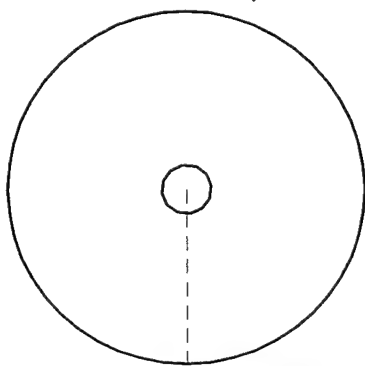
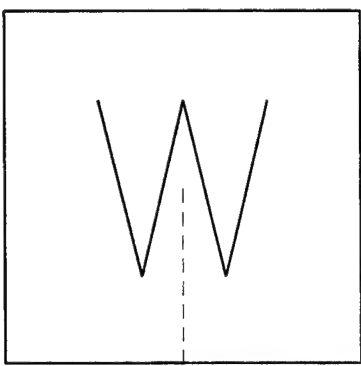
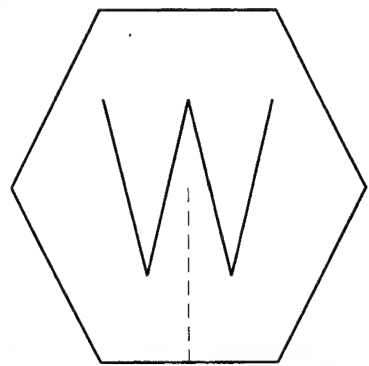

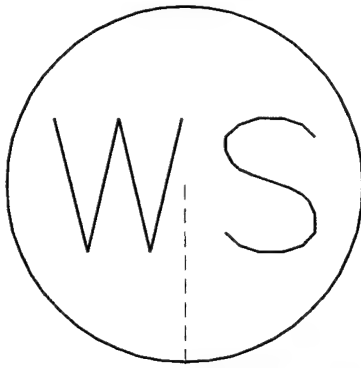
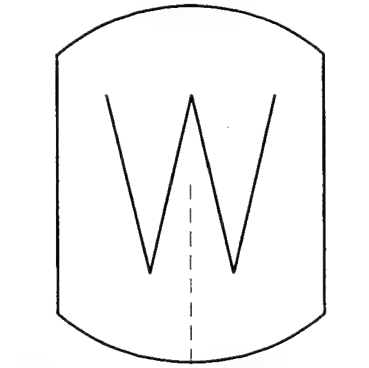
		
<p>Survey/Mapping: SUWEL2 SUSPENDED WELL DEPTH UNKWN Element type: Symbol</p>	<p>Survey/Mapping: SUWEL3 SUSPENDED WELL DEPTH UNKWN Element type: Symbol</p>	<p>Survey/Mapping: SUWELY SUSPENDED WELL KNOWN DEPTH Element type: Symbol</p>
		
<p>Survey/Mapping: SWAMP SWAMP Element type: Symbol</p>	<p>Survey/Mapping: SWELB1 SUBMERGED WELL W BUOY Element type: Symbol</p>	<p>Survey/Mapping: SWELB2 SUBMERGED WELL W BUOY Element type: Symbol</p>
		
<p>Survey/Mapping: SWELL5 SUBMERGED PROD WELL Element type: Symbol</p>	<p>Survey/Mapping: SWPADX SWITCH_PAD_EXIST Element type: Symbol</p>	<p>Survey/Mapping: TDZL TOUCHDOWN ZONE LIGHT Element type: Symbol</p>

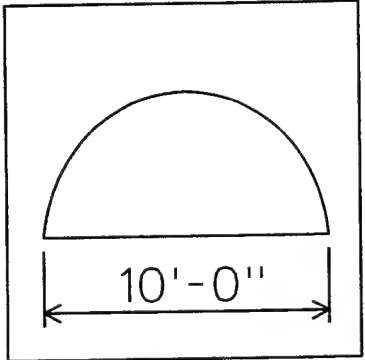
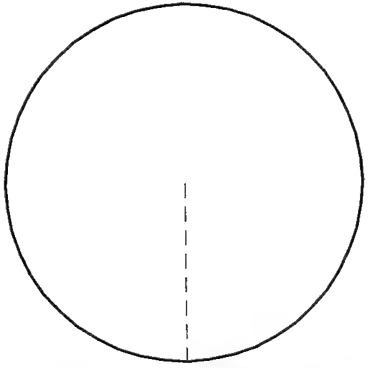

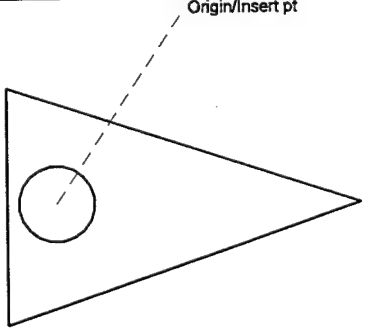
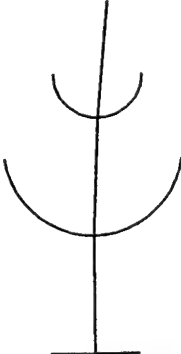
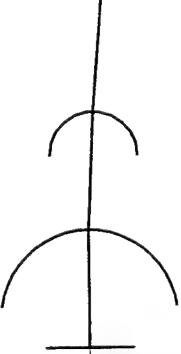
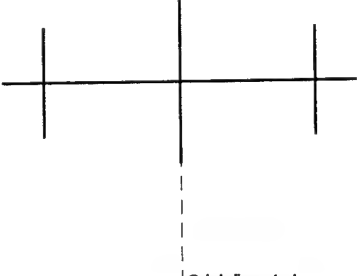
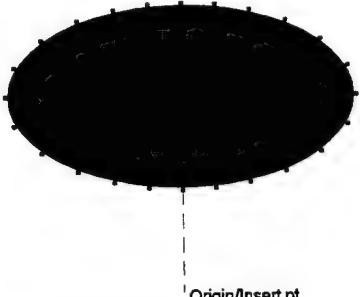
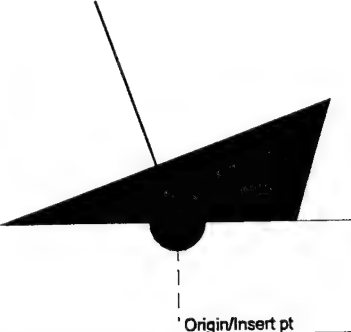
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: TELBBB TELEGRAPHIC BARREL BUOY BLK Element type: Symbol</p>	<p>Survey/Mapping: THL THRESHOLD LIGHT Element type: Symbol</p>	<p>Survey/Mapping: TIDEG TIDE GAGE Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: TIDSTF TIDESTAFF Element type: Symbol</p>	<p>Survey/Mapping: TIRETR TIRE TREDDLE Element type: Symbol</p>	<p>Survey/Mapping: TNKBG TANK BELOW GROUND Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: TNKHAG TANK HORIZ ABOVE GROUND Element type: Symbol</p>	<p>Survey/Mapping: TNKVAG TANK VERTICAL ABOVE GROUND Element type: Symbol</p>	<p>Survey/Mapping: TOW1 BEACON TOWER Element type: Symbol</p>

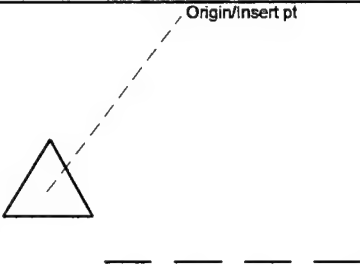
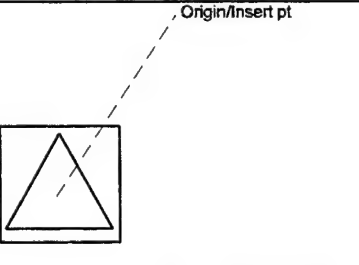
		
<p>Survey/Mapping: TOW2 BEACON TOWER Element type: Symbol</p>	<p>Survey/Mapping: TOW3 BEACON TOWER Element type: Symbol</p>	<p>Survey/Mapping: TOWB BLACK BEACON TOWER Element type: Symbol</p>
		
<p>Survey/Mapping: TOWBT1 BLACK BEACON TOWER W TOP Element type: Symbol</p>	<p>Survey/Mapping: TOWBT2 BLACK BEACON TOWER W TOP Element type: Symbol</p>	<p>Survey/Mapping: TOWER TRANSMISSION TOWER Element type: Symbol</p>
		
<p>Survey/Mapping: TOWW WHITE BEACON TOWER Element type: Symbol</p>	<p>Survey/Mapping: TOWWT1 WHITE BEACON TOWER W TOP Element type: Symbol</p>	<p>Survey/Mapping: TOWWT2 WHITE BEACON TOWER W T Element type: Symbol</p>

		
<p>Survey/Mapping: TREEC CONIFEROUS TREE Element type: Symbol</p>	<p>Survey/Mapping: TREED DECIDUOUS TREE Element type: Symbol</p>	<p>Survey/Mapping: TREEG GENERIC TREE Element type: Symbol</p>
		
<p>Survey/Mapping: TRFSIG TRAFFIC SIGNAL MAST ARM Element type: Symbol</p>	<p>Survey/Mapping: TRIPNT TRIANGULATION POINT Element type: Symbol</p>	<p>Survey/Mapping: TRVALT TRANSFORMER VAULT Element type: Symbol</p>
		
<p>Survey/Mapping: TSCTRL TR SIGNAL CONTROLLER Element type: Symbol</p>	<p>Survey/Mapping: TSHEAD TRAFFIC SIGNAL HEAD Element type: Symbol</p>	<p>Survey/Mapping: TSPBX TR SIGNAL PULLBOX Element type: Symbol</p>


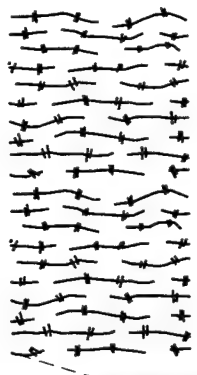
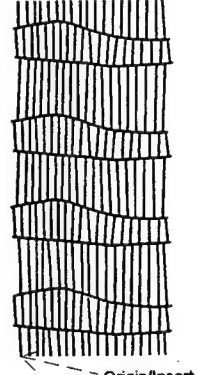

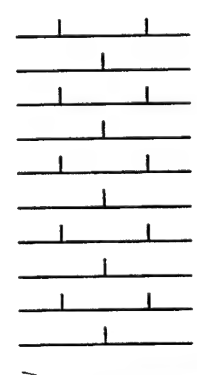
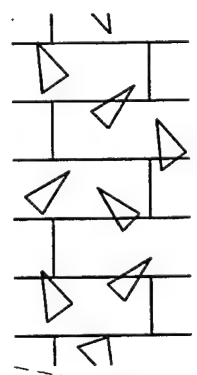
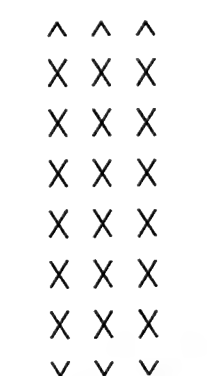

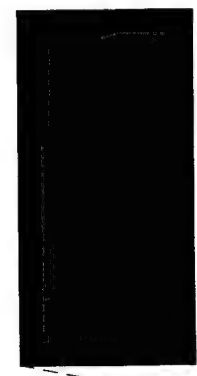
		
<p>Survey/Mapping: TSPHS TR SIGNAL PH NO THRU Element type: Symbol</p>	<p>Survey/Mapping: TSPHT TR SIGNAL PH NO TURN Element type: Symbol</p>	<p>Survey/Mapping: TSVLDT TR SIGNAL VEH LOOP DETECTOR Element type: Symbol</p>
		
<p>Survey/Mapping: TWCLL TW CENTERLINE LIGHT Element type: Symbol</p>	<p>Survey/Mapping: TWELEL TW END LIGHT ELEVATED Element type: Symbol</p>	<p>Survey/Mapping: TWLSF TW END LIGHT SEMIFLUSH Element type: Symbol</p>
		
<p>Survey/Mapping: TWGSGN TW GUIDANCE SIGN Element type: Symbol</p>	<p>Survey/Mapping: TWLEL TW EDGE LIGHT ELEVATED Element type: Symbol</p>	<p>Survey/Mapping: TWLSF TW EDGE LIGHT SEMIFLUSH Element type: Symbol</p>


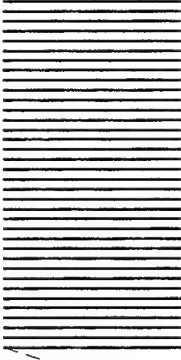
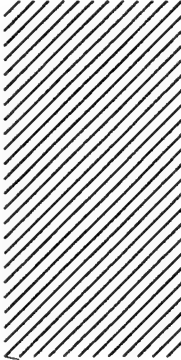
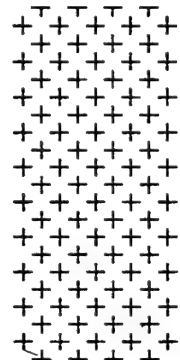
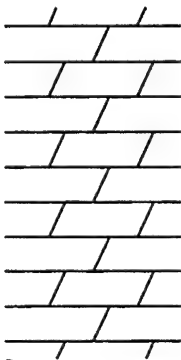
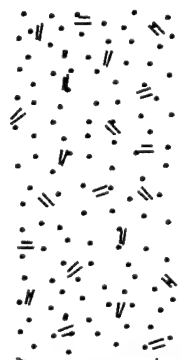


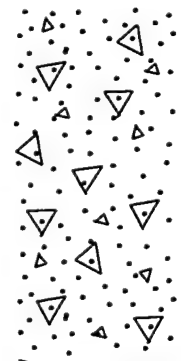
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: USHWY US HIGHWAY SYMBOL Element type: Symbol</p>	<p>Survey/Mapping: UTPLX POLE_EXISTING Element type: Symbol</p>	<p>Survey/Mapping: VCDATA VERTICAL CURVE DATA Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: VERCPT VERTICAL CONTROL POINT Element type: Symbol</p>	<p>Survey/Mapping: WAHHOL WATER HANDHOLE Element type: Symbol</p>	<p>Survey/Mapping: WAMETR WATER METER Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: WAPLNT WATER PLANT Element type: Symbol</p>	<p>Survey/Mapping: WASOFT WATER SOFTENER Element type: Symbol</p>	<p>Survey/Mapping: WAVALT WATER VALVE VAULT Element type: Symbol</p>

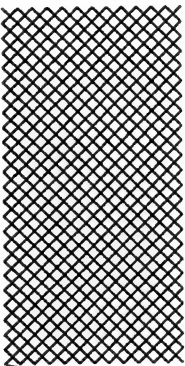
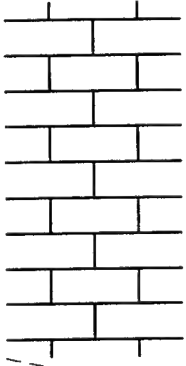
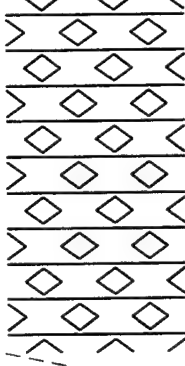
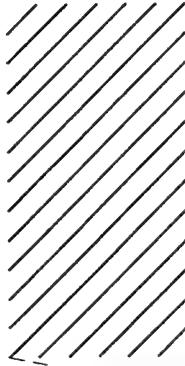

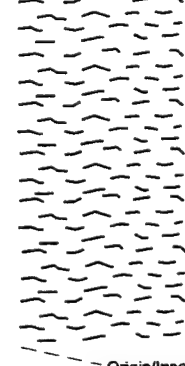
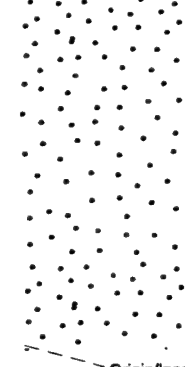

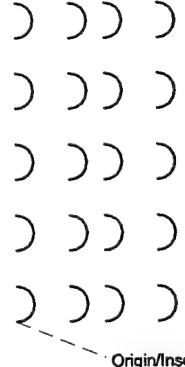
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: WEIR WEIR Element type: Symbol</p>	<p>Survey/Mapping: WELL1 ABOVE WATER WELLHEAD Element type: Symbol</p>	<p>Survey/Mapping: WELL3 ABOVE WATER WELLHEAD Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: WINDCN WINDCONE Element type: Symbol</p>	<p>Survey/Mapping: WITHYP PORT HAND WITHY Element type: Symbol</p>	<p>Survey/Mapping: WITHYS STARBOARD HAND WITHY Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Survey/Mapping: WRECK WRECK NOT DANGEROUS Element type: Symbol</p>	<p>Survey/Mapping: WRKDNG DANGER WRECK DEPTH UNKNOWN Element type: Symbol</p>	<p>Survey/Mapping: WRKEXP WRECK PARTLY EXPOSED Element type: Symbol</p>

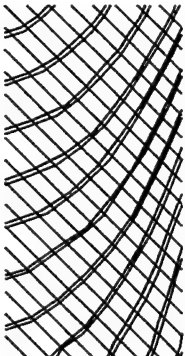

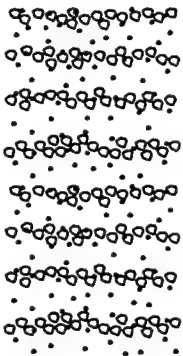
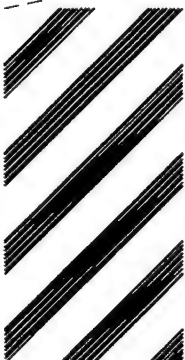

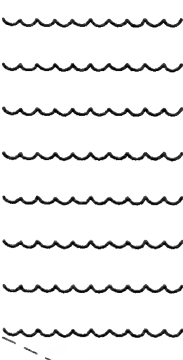
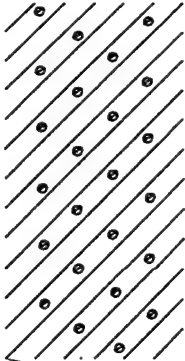

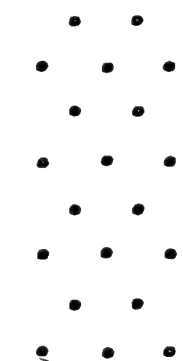
	
<p>Survey/Mapping: XFRPLX XFMR_POLE_EXIST Element type: Symbol</p>	<p>Survey/Mapping: XFRPMX XFMR_PAD_EXIST Element type: Symbol</p>

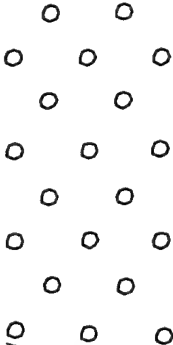

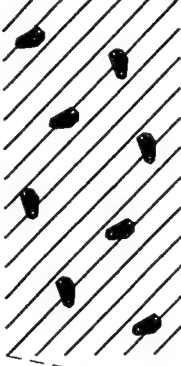




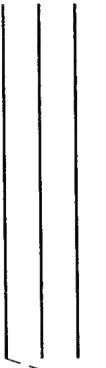
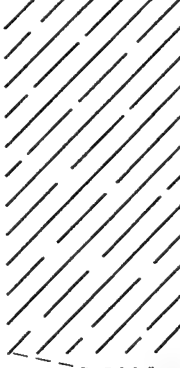
4 Geotechnical Patterns Library

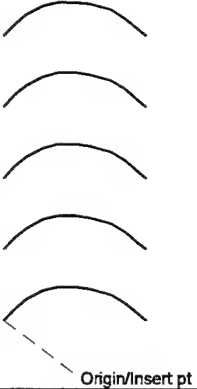
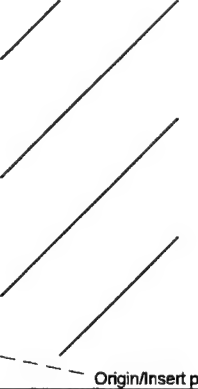

		
<p>Geotechnical: AGGLOM AGGLOMERATE FLOW BRECCIA Element type: Pattern</p>	<p>Geotechnical: ANDES ANDESITE Element type: Pattern</p>	<p>Geotechnical: BASALT BASALT Element type: Pattern</p>
		
<p>Geotechnical: BRECCA BRECCIA Element type: Pattern</p>	<p>Geotechnical: CHALK CHALK OR MARL Element type: Pattern</p>	<p>Geotechnical: CHERT CHERT Element type: Pattern</p>
		
<p>Geotechnical: CLAYST CLAYSTONE OR SILTSTONE Element type: Pattern</p>	<p>Geotechnical: CMPSHL COMPACTION SHALE Element type: Pattern</p>	<p>Geotechnical: COAL COAL Element type: Pattern</p>

 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Geotechnical: CONGLM CONGLOMERATE Element type: Pattern</p>	<p>Geotechnical: CSHALE CEMENTED SHALE Element type: Pattern</p>	<p>Geotechnical: CSJNT CLOSELY SPACED JOINTS Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Geotechnical: DIORIT DIORITE Element type: Pattern</p>	<p>Geotechnical: DOLOM DOLOMITE Element type: Pattern</p>	<p>Geotechnical: GABBRO GABBRO Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Geotechnical: GNEISS GNEISS Element type: Pattern</p>	<p>Geotechnical: GRANIT GRANITE Element type: Pattern</p>	<p>Geotechnical: GRAYWC GRAYWACKE Element type: Pattern</p>

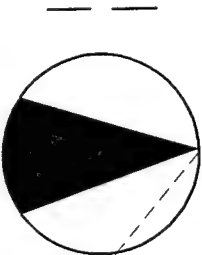
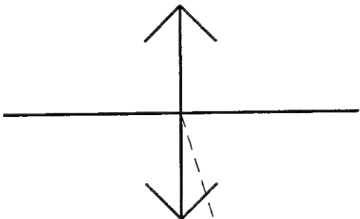
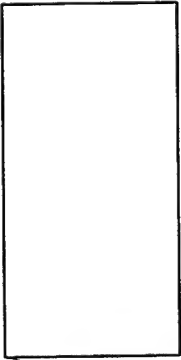
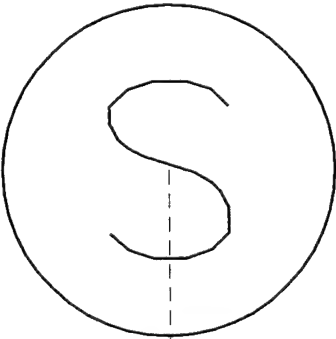
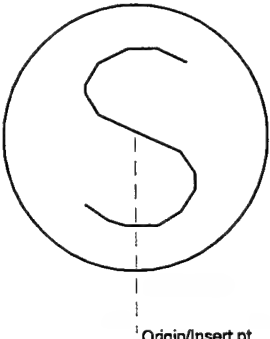
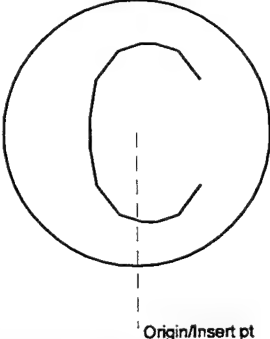
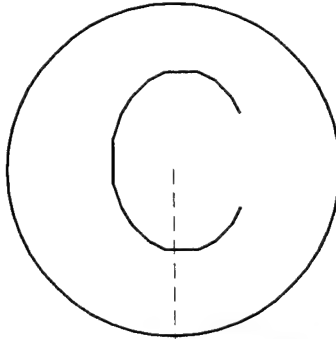
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Geotechnical: HFRACT HIGHLY FRACTURED Element type: Pattern</p>	<p>Geotechnical: LIMEST LIMESTONE Element type: Pattern</p>	<p>Geotechnical: MARBL1 MARBLE ELEVATION VIEW Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Geotechnical: MSJNT MODERATELY SPACED JOINTS Element type: Pattern</p>	<p>Geotechnical: QUARTZ QUARTZITE Element type: Pattern</p>	<p>Geotechnical: RHYOLT RHYOLITE Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Geotechnical: SANDST SANDSTONE Element type: Pattern</p>	<p>Geotechnical: SCHIST SCHIST Element type: Pattern</p>	<p>Geotechnical: SHELL SHELLS Element type: Pattern</p>

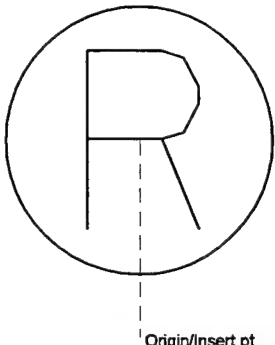
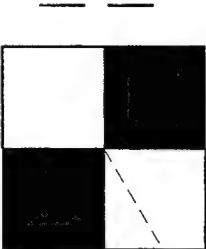
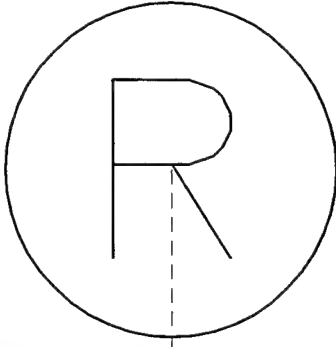
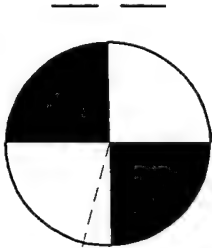
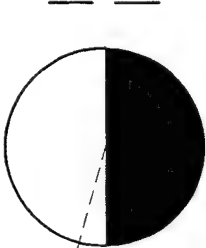
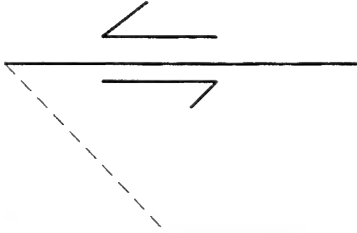
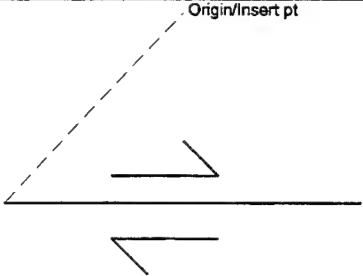
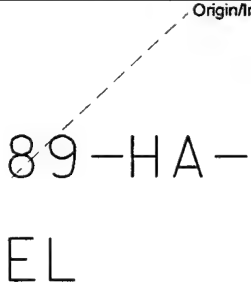
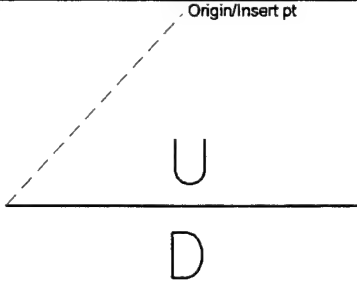
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Geotechnical: SLATE SLATE Element type: Pattern</p>	<p>Geotechnical: SOAPST SOAPSTONE OR SERPENTINE Element type: Pattern</p>	<p>Geotechnical: TUFF TUFF OR TUFF BRECCIA Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Geotechnical: USCS1 USCS SOIL SYMBOL Element type: Pattern</p>	<p>Geotechnical: USCS10 OL ORGANIC CLAY OR SILT LOW Element type: Pattern</p>	<p>Geotechnical: USCS11 PT PEAT Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Geotechnical: USCS12 SC CLAYEY SAND Element type: Pattern</p>	<p>Geotechnical: USCS13 SM SILTY SAND Element type: Pattern</p>	<p>Geotechnical: USCS14 SP POORLY GRADED SAND Element type: Pattern</p>

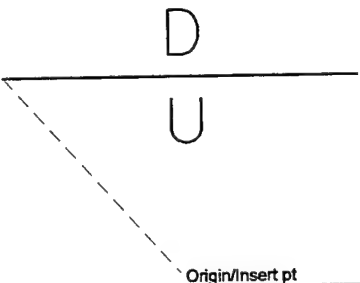
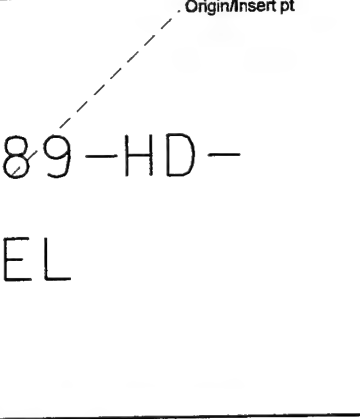
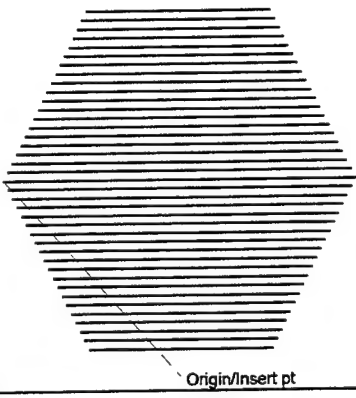

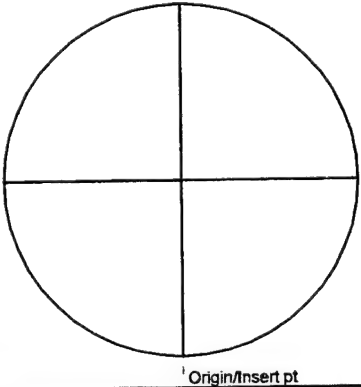
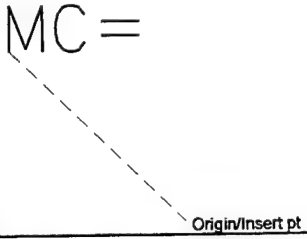
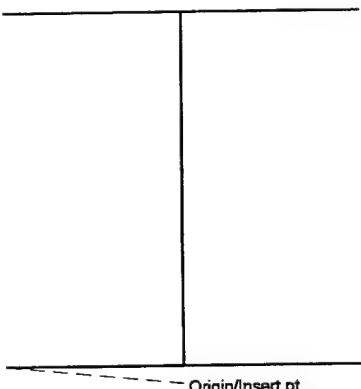
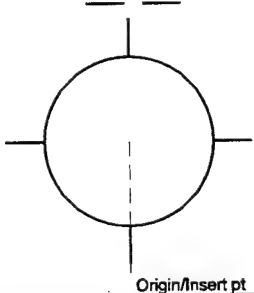
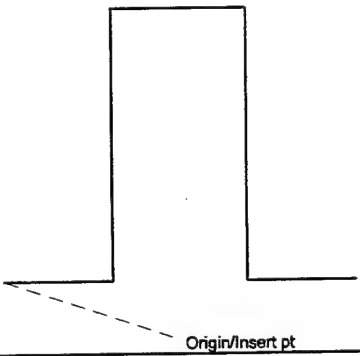
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Geotechnical: USCS15 SW WELL GRADED SAND Element type: Pattern</p>	<p>Geotechnical: USCS2 CL LEAN CLAY Element type: Pattern</p>	<p>Geotechnical: USCS3 GC CLAYEY GRAVEL Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Geotechnical: USCS4 GM SILTY GRAVEL Element type: Pattern</p>	<p>Geotechnical: USCS5 GP POORLY GRADED GRAVEL Element type: Pattern</p>	<p>Geotechnical: USCS6 GW WELL GRADED GRAVEL Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Geotechnical: USCS7 MH INORGANIC SILT HIGH LIQUID Element type: Pattern</p>	<p>Geotechnical: USCS8 ML INORGANIC SILT LOW LIQUID Element type: Pattern</p>	<p>Geotechnical: USCS9 OH ORGANIC CLAY OR SILT HIGH LIQUID Element type: Pattern</p>

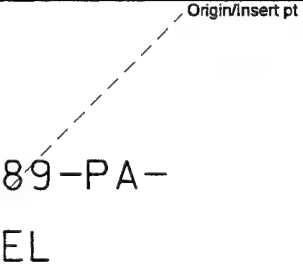
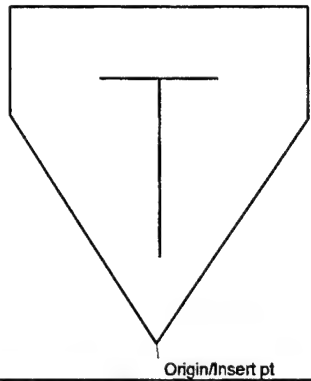
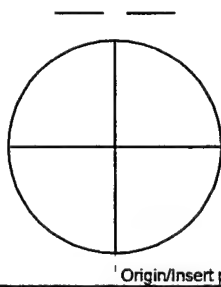
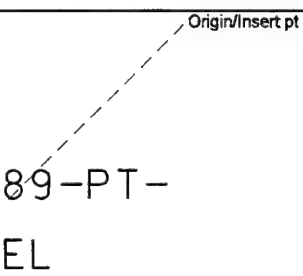
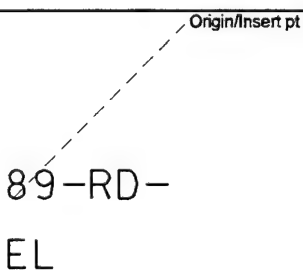
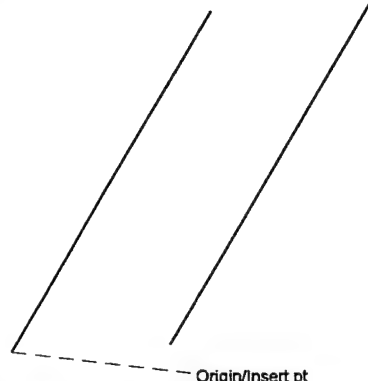
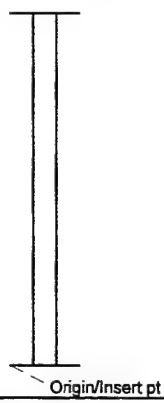
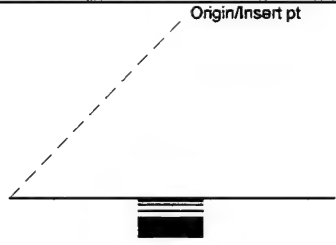
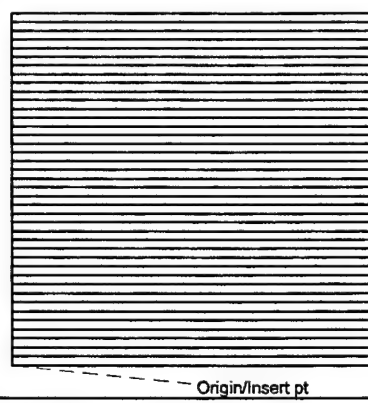
		
<p>Geotechnical:WOOD WOOD SYMBOL Element type: Pattern</p>	<p>Geotechnical:WSJNT WIDELY SPACED JOINTS Element type: Pattern</p>	<p>Geotechnical:ZONECL ZONES OF CORE LOSS Element type: Pattern</p>

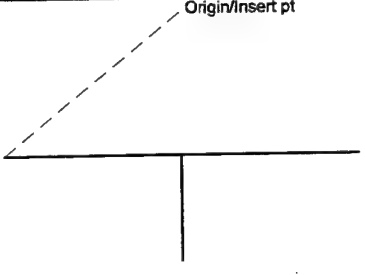
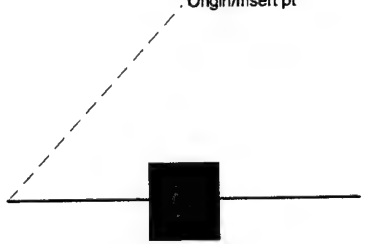
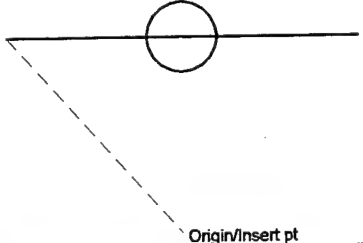
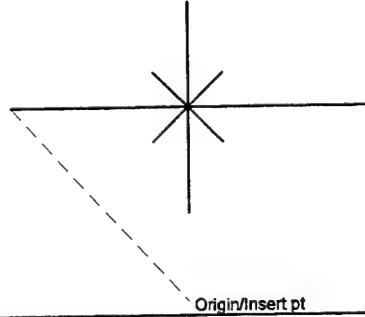
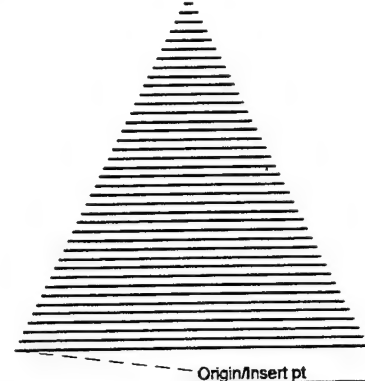
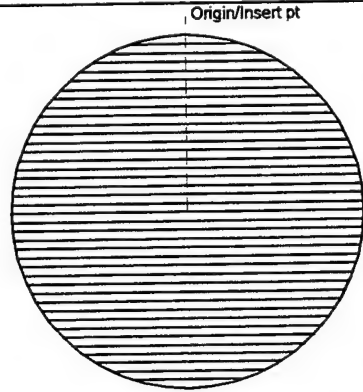
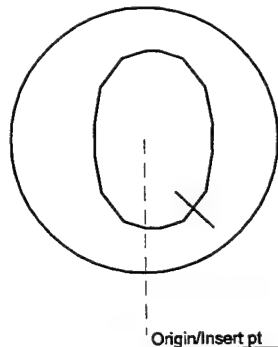
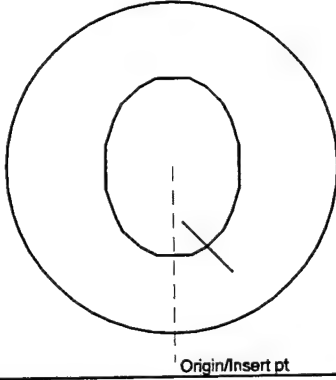
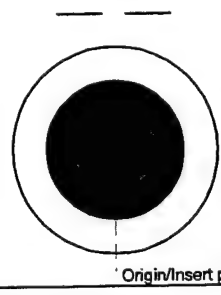
4 Geotechnical Symbols Library

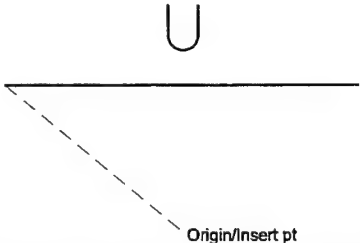
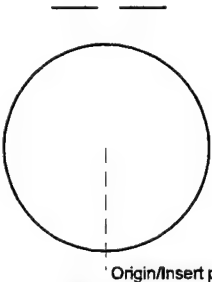
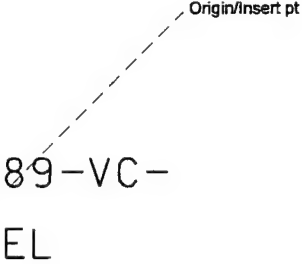

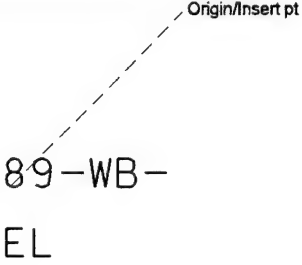
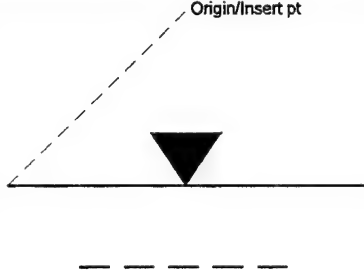
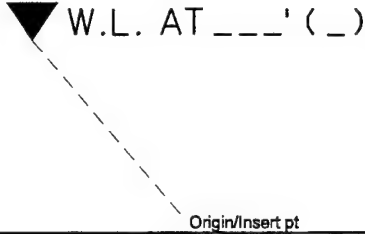
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	<p>89-BH-</p> <p>EL</p> <p>Origin/Insert pt</p>
<p>Geotechnical: ANCHOL ANG CORED HOLE AR EQ D Element type: Symbol</p>	<p>Geotechnical: ANTICL ANTICLINE Element type: Symbol</p>	<p>Geotechnical: BHHNUM BACKHOE HOLE NUMBER Element type: Symbol</p>
 <p>Origin/Insert pt</p>	<p>89-CC-PA-</p> <p>EL</p> <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Geotechnical: BOLOGR BORING LOG REFUSAL Element type: Symbol</p>	<p>Geotechnical: CCHNUM CONCRETE CORE HOLE NO. Element type: Symbol</p>	<p>Geotechnical: CDRDSH CONSOL DRAINED DIR SHEAR Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Geotechnical: CONDRA CONSOLIDATED DRAINED Element type: Symbol</p>	<p>Geotechnical: CONSOL CONSOLIDATION Element type: Symbol</p>	<p>Geotechnical: CONTST CONSOLIDATION TEST Element type: Symbol</p>

		
<p>Geotechnical: CONUDR CONSOLIDATED UNDRAINED Element type: Symbol</p>	<p>Geotechnical: CPNHOL CONE PENETROMETER HOLE Element type: Symbol</p>	<p>Geotechnical: CUDRTT CONSOL UNDRND TRIAXIAL TEST Element type: Symbol</p>
		
<p>Geotechnical: DSCHOL DRIVE SAMPLED SPT AND COR Element type: Symbol</p>	<p>Geotechnical: DSHOL DRIVE SAMPLE SPT HOLE Element type: Symbol</p>	<p>Geotechnical: FBLCK1 FAULT BLOCK MOVEMENT 1 Element type: Symbol</p>
		
<p>Geotechnical: FBLCK2 FAULT BLOCK MOVEMENT 2 Element type: Symbol</p>	<p>Geotechnical: HAHNUM HAND AUGER HOLE NUMBER Element type: Symbol</p>	<p>Geotechnical: HANGF1 HIGH ANGLE FAULT 1 Element type: Symbol</p>

		
<p>Geotechnical: HANGF2 HIGH ANGLE FAULT 2 Element type: Symbol</p>	<p>Geotechnical: HDHNUM HAND DUG HOLE NUMBER Element type: Symbol</p>	<p>Geotechnical: HEXAGN HEXAGON SYMBOL Element type: Symbol</p>
		
<p>Geotechnical: HOLNUM HOLE NUMBER ELEVATION Element type: Symbol</p>	<p>Geotechnical: HRZBED HORIZONTAL BEDS Element type: Symbol</p>	<p>Geotechnical: MOISTC MOISTURE CONTENT Element type: Symbol</p>
		
<p>Geotechnical: NSAHOL NONSAMPLED AREA OF HOL Element type: Symbol</p>	<p>Geotechnical: OBSHOL PIEZOMETER OR OBSERVAT HOLE Element type: Symbol</p>	<p>Geotechnical: OPBLOG OPEN BORING LOG Element type: Symbol</p>






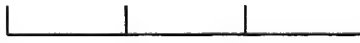
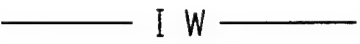

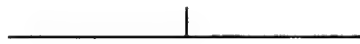
 <p>89-PA- EL</p>		
<p>Geotechnical: PAHNUM POWER AUGER HOLE NUMBER Element type: Symbol</p>	<p>Geotechnical: PIEZOM PIEZOMETER Element type: Symbol</p>	<p>Geotechnical: PROPEX PROPOSED EXPLORATION Element type: Symbol</p>
 <p>89-PT- EL</p>	 <p>89-RD- EL</p>	
<p>Geotechnical: PTHNUM PERC TEST HOLE NUMBER Element type: Symbol</p>	<p>Geotechnical: RDHNUM ROTARY DRILL HOLE NUMBER Element type: Symbol</p>	<p>Geotechnical: RSLASH REFUSAL SLASHES Element type: Symbol</p>
		
<p>Geotechnical: SAMPLE SAMPLE Element type: Symbol</p>	<p>Geotechnical: SDIJNT STRIKE DIP OF INCLINED Element type: Symbol</p>	<p>Geotechnical: SQUARE SQUARE SYMBOL Element type: Symbol</p>



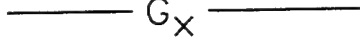


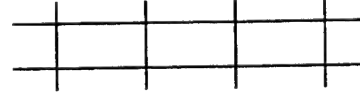


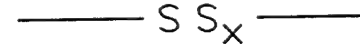
		
<p>Geotechnical: STRKDP STRIKE DIP Element type: Symbol</p>	<p>Geotechnical: STRKVJ STRIKE OF VERTICAL JOI Element type: Symbol</p>	<p>Geotechnical: STRKVP STRIKE W VERTICAL DIP Element type: Symbol</p>
		
<p>Geotechnical: SYNCLN SYNCLINE Element type: Symbol</p>	<p>Geotechnical: TRIANG TRIANGLE SYMBOL Element type: Symbol</p>	<p>Geotechnical: TSTHOL TEST HOLE SYMBOL Element type: Symbol</p>
		
<p>Geotechnical: UCONUD UNCONSOLIDATED UNDRAINED Element type: Symbol</p>	<p>Geotechnical: UCONUT UNCONSOL UNDRND TAXIAL TEST Element type: Symbol</p>	<p>Geotechnical: UDENIS UNDISTURBED DENISON OR PUSH Element type: Symbol</p>







		
<p>Geotechnical: ULIMIT UNSATISFACTORY LIMIT Element type: Symbol</p>	<p>Geotechnical: VCHOL VERTICAL CORE HOLE Element type: Symbol</p>	<p>Geotechnical: VHNUM VIBRACORE HOLE NUMBER Element type: Symbol</p>
		
<p>Geotechnical: WASHBR WASHBORED Element type: Symbol</p>	<p>Geotechnical: WBHNUM WASH BORING HOLE NUMBER Element type: Symbol</p>	<p>Geotechnical: WLEVDL WATER LEVEL DATA LEFT Element type: Symbol</p>
 <p>Geotechnical: WTRLEV WATER LEVEL Element type: Symbol</p>		

5 Civil Lines Library

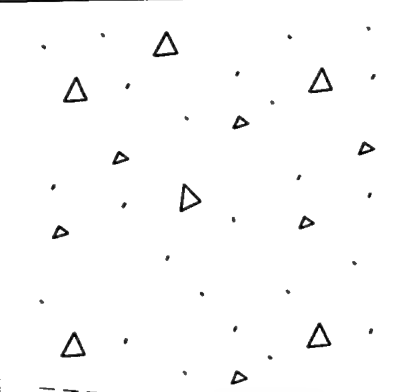
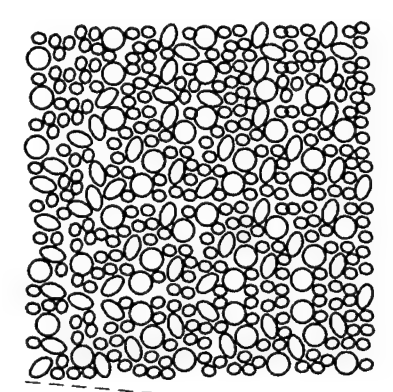
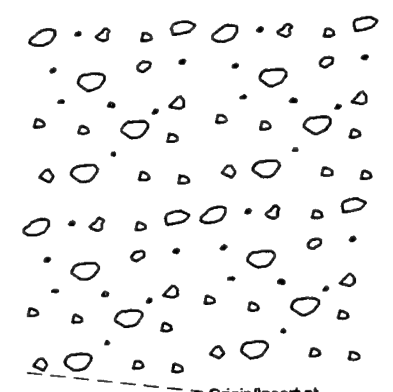
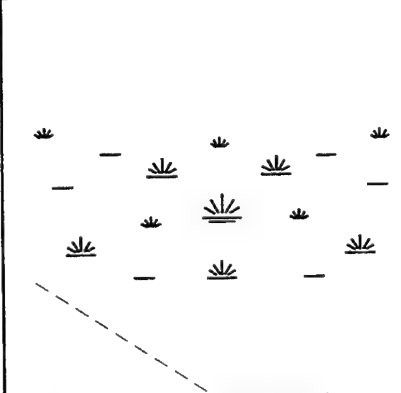
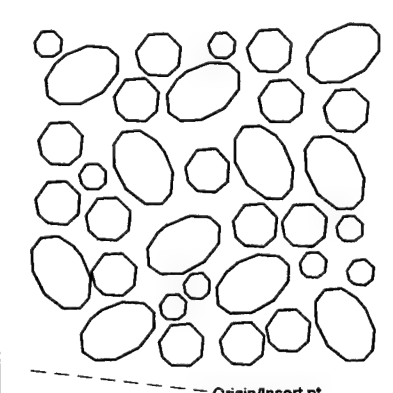
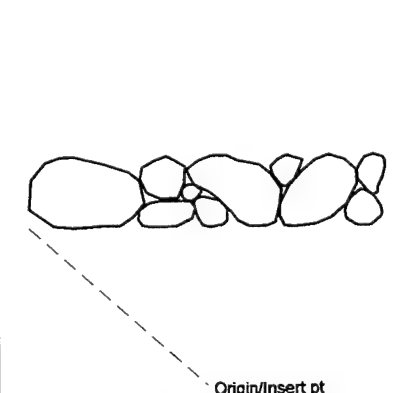
Civil: BARDIT DITCH BARRIER Element type: Line	Civil: BARDTB DITCH AND BEAM BARRIER Element type: Line	Civil: BARGEN GENERIC SECURITY BARRIER Element type: Line
Civil: BARMAS SECURITY MASONRY BARRIER Element type: Line	Civil: CONLMT CONSTRUCTION LIMIT Element type: Line	Civil: CULVRT CULVERT PIPE Element type: Line
Civil: DITCH DITCH LINE Element type: Line	Civil: FENCE FENCE Element type: Line	Civil: FIRE FIRE PROTECTION WATER SUPPLY Element type: Line

		
Civil:FUELOR FUEL OIL RETURN Element type: Line	Civil:FUELOS FUEL OIL SUPPLY Element type: Line	Civil:FUELOV FUEL OIL TANK VENT Element type: Line
		
Civil:GOVTKL GOVERNMENT TAKING LINE Element type: Line	Civil:GUARD GUARD RAIL Element type: Line	Civil:INDXDC INDEX DEPTH CONTOUR Element type: Line
		
Civil:IWASTE INDUSTRIAL WASTE Element type: Line	Civil:LIQPET LIQUID PETROLEUM GAS Element type: Line	Civil:MINRDC MINOR DEPTH CONTOUR Element type: Line

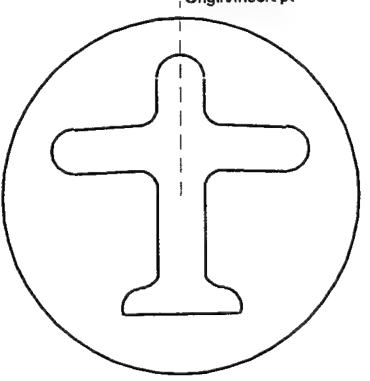
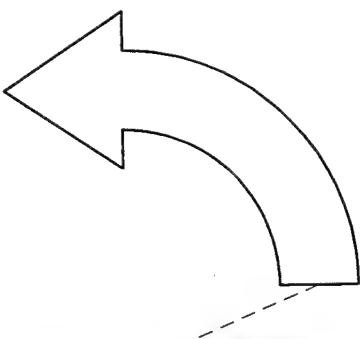
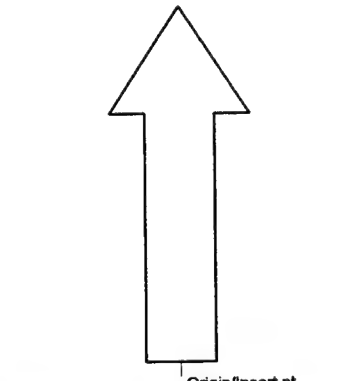
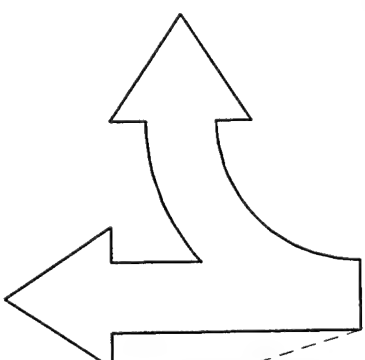
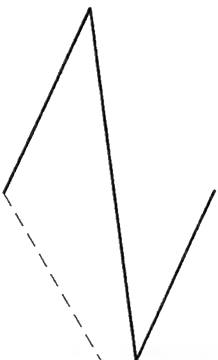
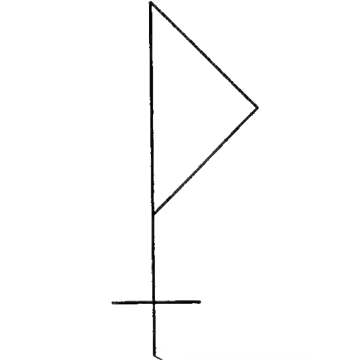
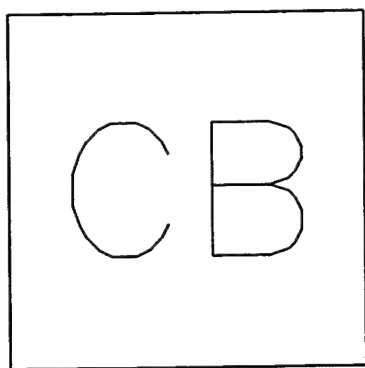
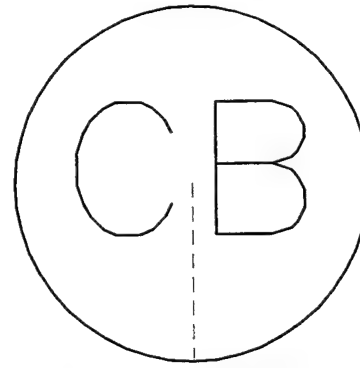
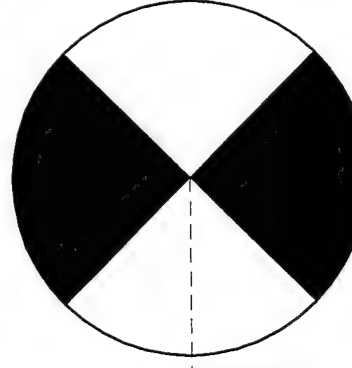
		
Civil:NONPOT NONPOTABLE WATER Element type: Line	Civil:NTGASN NATURAL GAS Element type: Line	Civil:NTGASX EXIST NATURAL GAS Element type: Line
		
Civil:PROJBL PROJECT BOUNDARY LINE Element type: Line	Civil:PROPL PROPERTY LINE Element type: Line	Civil:RAILRD RAILROAD Element type: Line
		
Civil:RTOFWY RIGHT OF WAY Element type: Line	Civil:SSWAF SANITARY SEWER Element type: Line	Civil:SSWAFX EXISTING SANITARY SEWER Element type: Line

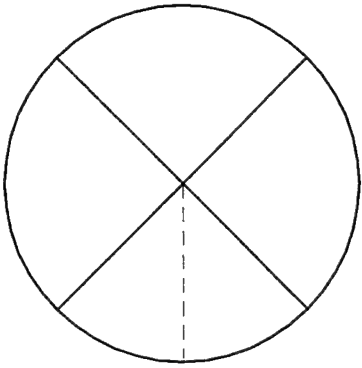
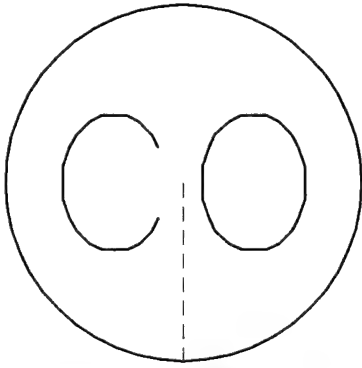



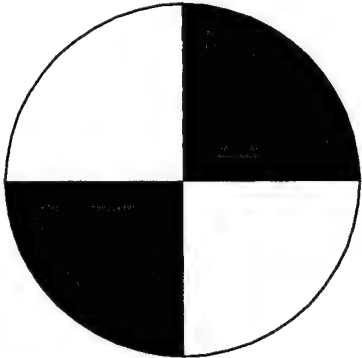
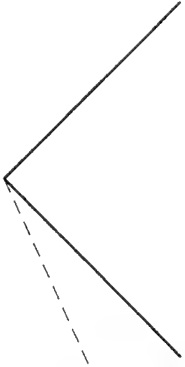
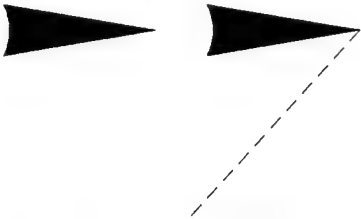
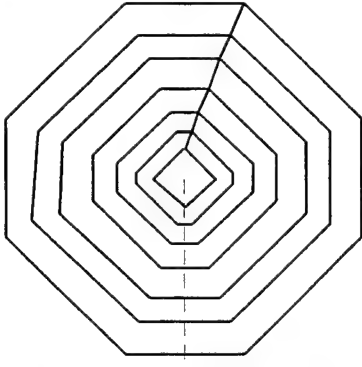
		
Civil:STRAF STORM DRAIN Element type: Line	Civil:STRAFX EXISTING STORM DRAIN Element type: Line	Civil:TREEL TREE LINE Element type: Line
		
Civil:WATERL WATER LINE Element type: Line	Civil:WATRX EXISTING WATER LINE Element type: Line	Civil:WWFBRC WELDED WIRE FABRIC Element type: Line

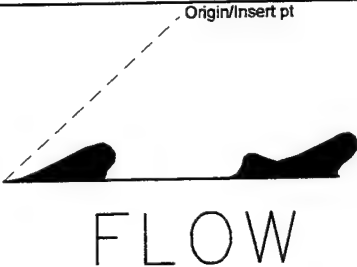
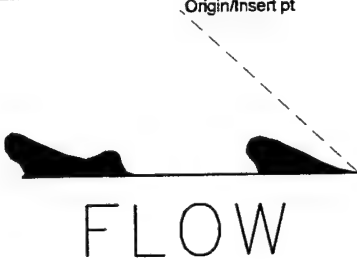
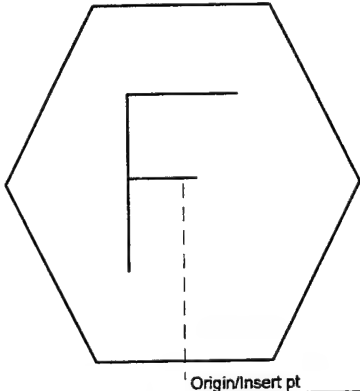
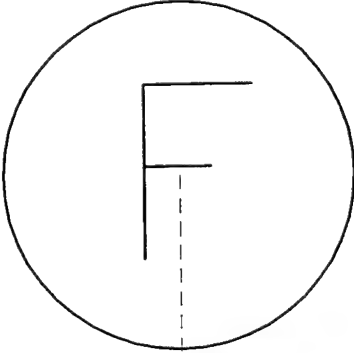
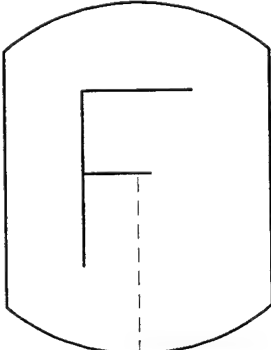
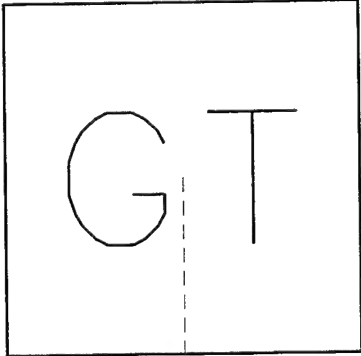
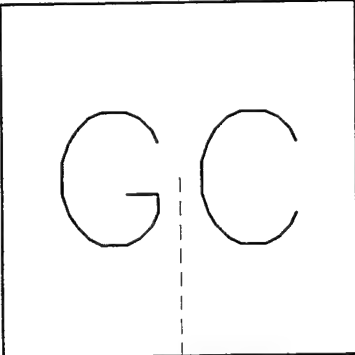
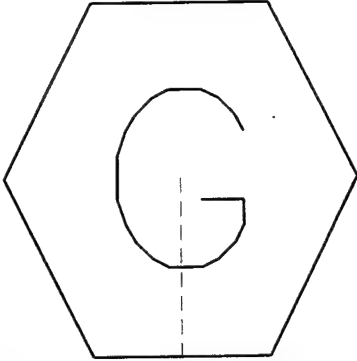
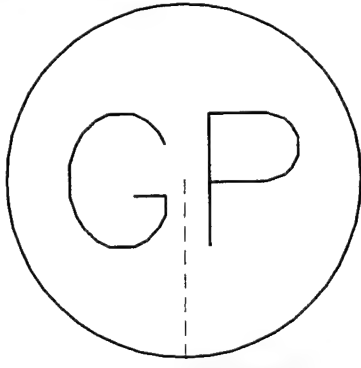
5 Civil Patterns Library

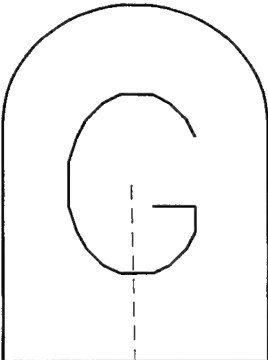
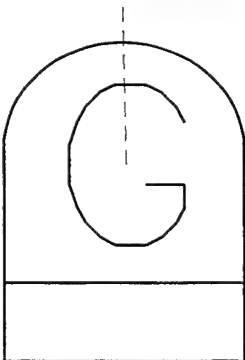
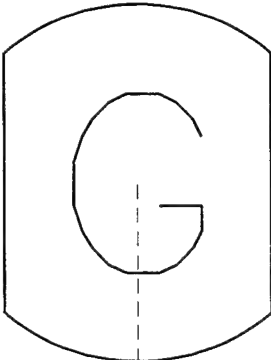
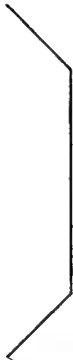
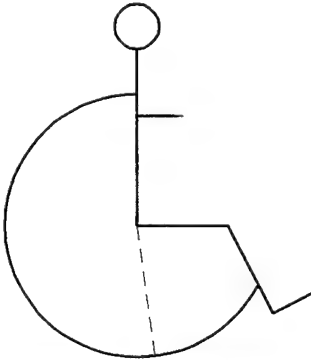
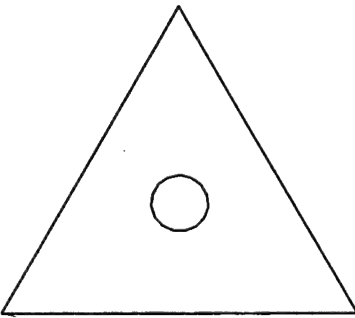
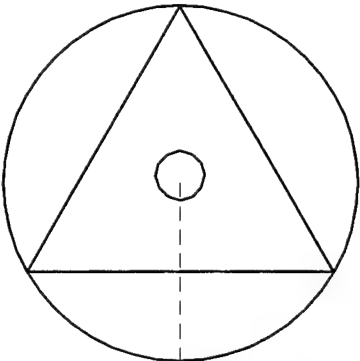
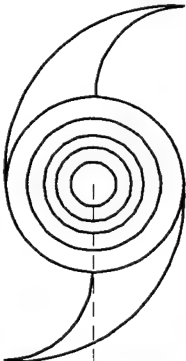
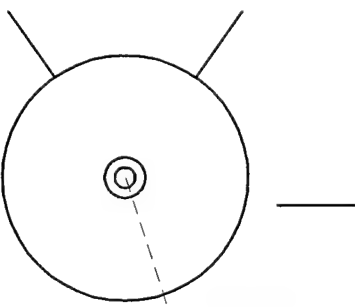
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Civil: CONCAST CONCRETE STONE Element type: Pattern</p>	<p>Civil: FILTBD FILTRATION BED Element type: Pattern</p>	<p>Civil: GRAVEL GRAVEL Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Civil: LSWAMP LARGE SWAMP Element type: Pattern</p>	<p>Civil: POROUS POROUS Element type: Pattern</p>	<p>Civil: RIPRAP RIPRAP PATTERN Element type: Pattern</p>

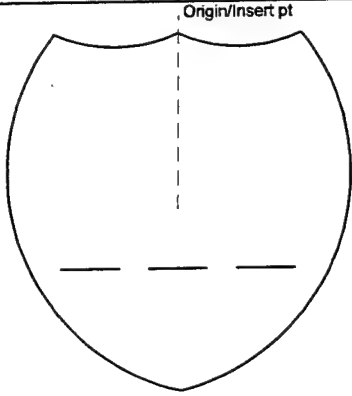
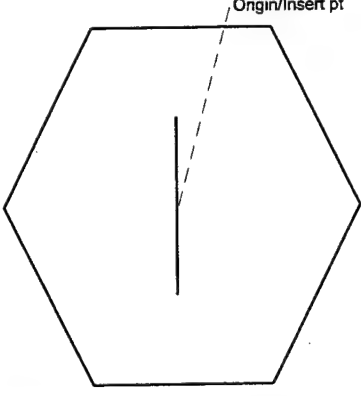
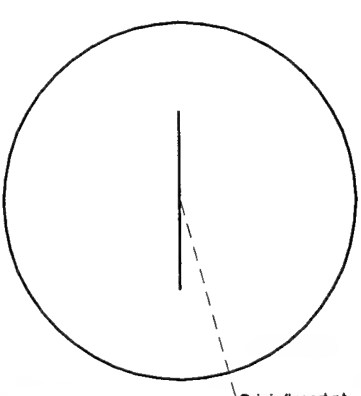
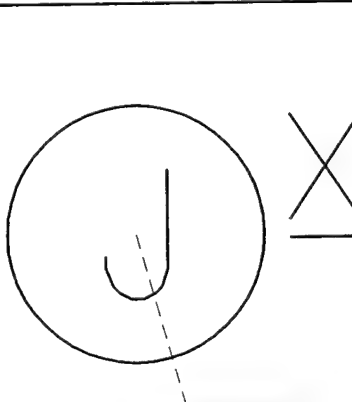
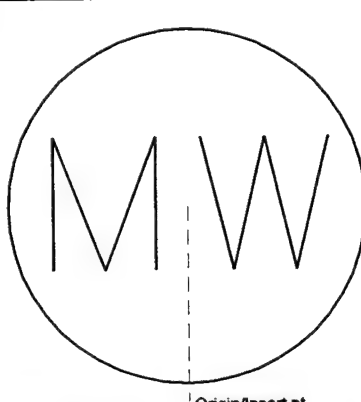
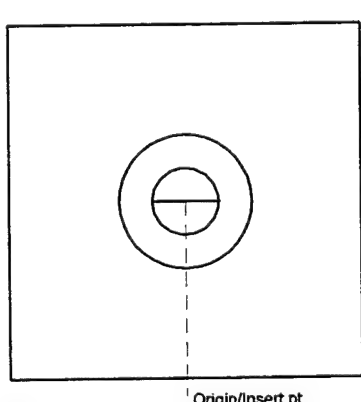
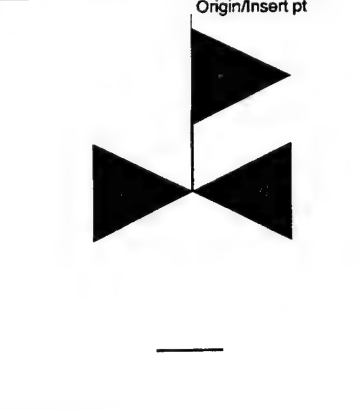
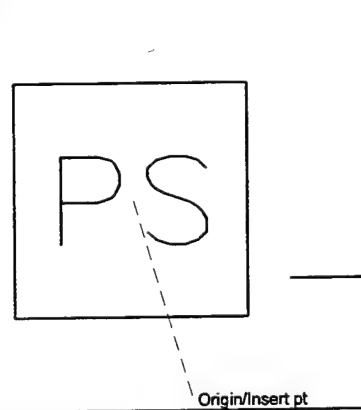
5 Civil Symbols Library

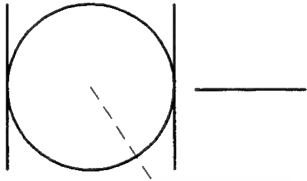
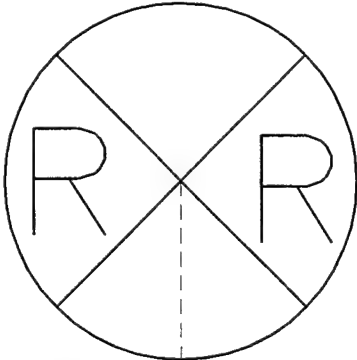
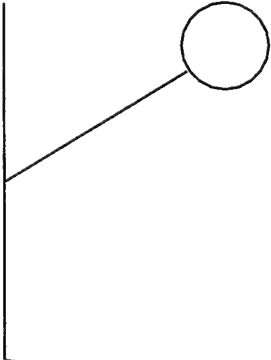
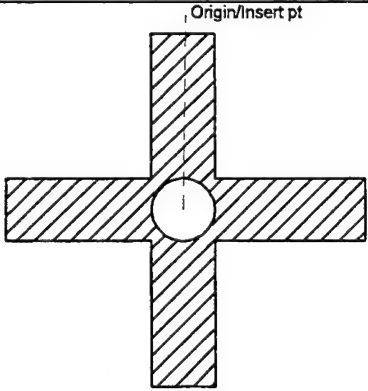
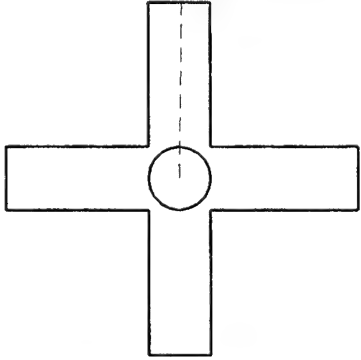
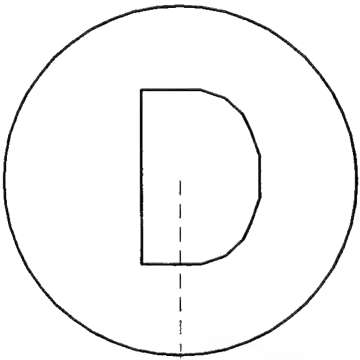
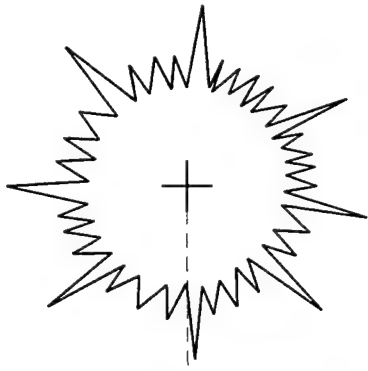
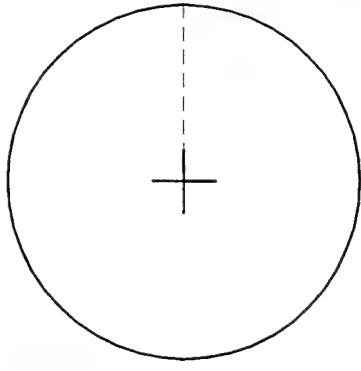
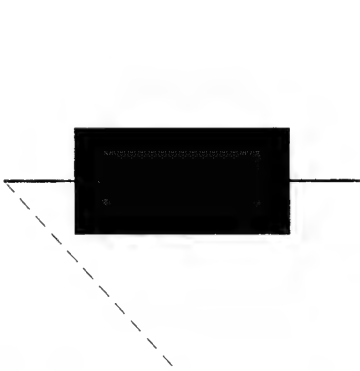
		
<p>Civil: AIRFLD AIRFIELD SYMBOL Element type: Symbol</p>	<p>Civil: ARRPT PARKING TURN ARROW Element type: Symbol</p>	<p>Civil: ARRSD STRAIGHT DIRECTION ARROW Element type: Symbol</p>
		
<p>Civil: ARRST STRAIGHT AND TURN ARROW Element type: Symbol</p>	<p>Civil: BREAK BREAK LINE SYMBOL Element type: Symbol</p>	<p>Civil: BUOY BUOY Element type: Symbol</p>
		
<p>Civil: CATBSN CATCH BASIN Element type: Symbol</p>	<p>Civil: CATBSR ROUND CATCH BASIN Element type: Symbol</p>	<p>Civil: CDHDR CORE DRILL HOLE DRILLED Element type: Symbol</p>

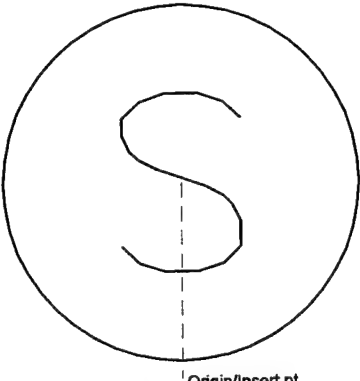
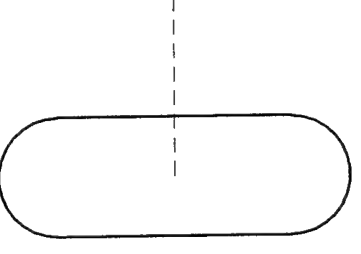
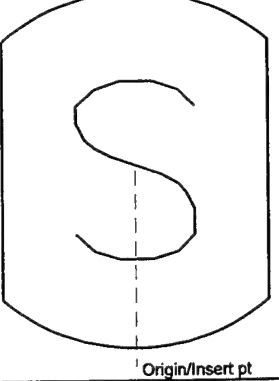
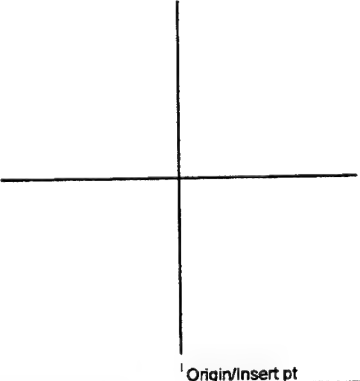
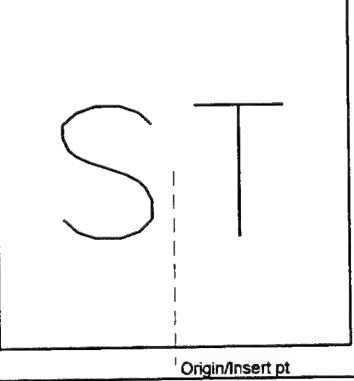
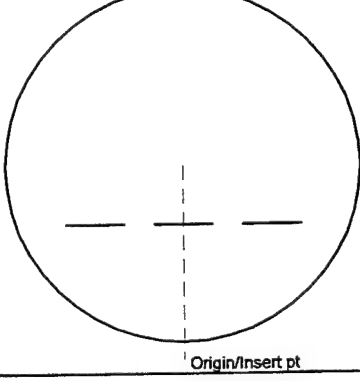
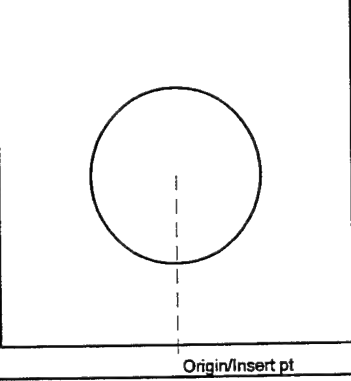
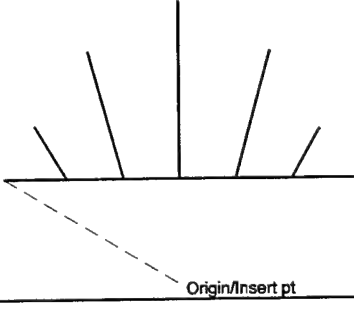
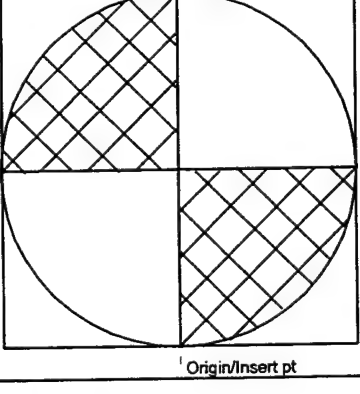
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Civil:CDHADR CORE DRILL HOLE UNDRILLED Element type: Symbol</p>	<p>Civil:CLNOUT CLEANOUT Element type: Symbol</p>	<p>Civil:CNR90 CORNER SOLID 90 Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Civil:CNRSF CORNER SOLID FLAT Element type: Symbol</p>	<p>Civil:CNTRLIN CENTERLINE SYMBOL Element type: Symbol</p>	<p>Civil:COGRAV CENTER OF GRAVITY SYMBOL Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Civil:CULVEE CULVERT END SYMBOL Element type: Symbol</p>	<p>Civil:DBLARR DOUBLE ARROW TERMINATOR Element type: Symbol</p>	<p>Civil:DRLHOL DRILL HOLE Element type: Symbol</p>

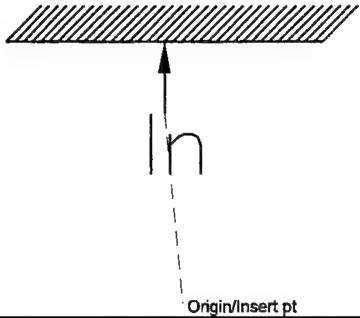
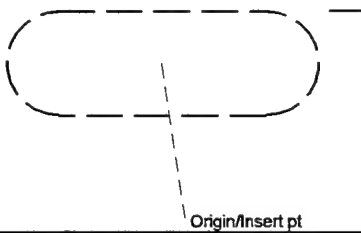
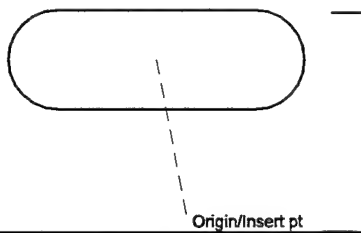
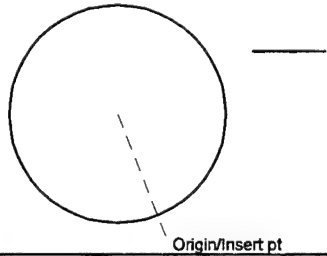
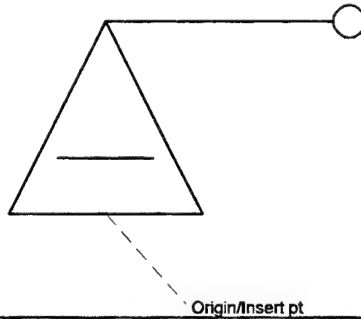
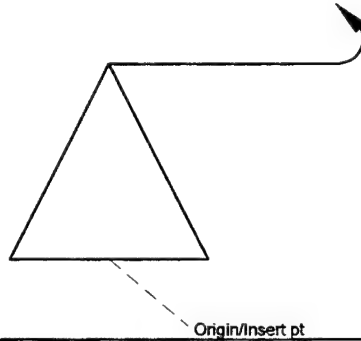
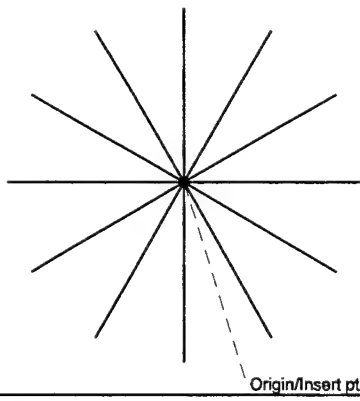
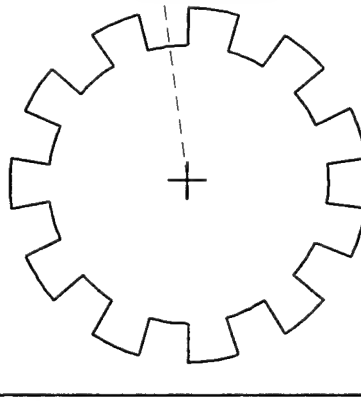
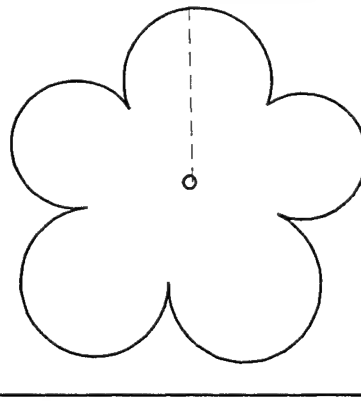
 <p>FLOW</p>	 <p>FLOW</p>	 <p>Origin/Insert pt</p>
<p>Civil: FLARRL FLOW ARROW LEFT IN 0 POINT Element type: Symbol</p>	<p>Civil: FLARRR FLOW ARROW RIGHT IN 0 POINT Element type: Symbol</p>	<p>Civil: FOMETR FUEL OIL METER Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Civil: FOMHOL FUEL OIL MANHOLE Element type: Symbol</p>	<p>Civil: FOVALT FUEL OIL VAULT Element type: Symbol</p>	<p>Civil: GREASE GREASE TRAP Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Civil: GRITCH GRIT CHAMBER Element type: Symbol</p>	<p>Civil: GSMETR GAS METER Element type: Symbol</p>	<p>Civil: GSPLNT GAS PLANT Element type: Symbol</p>

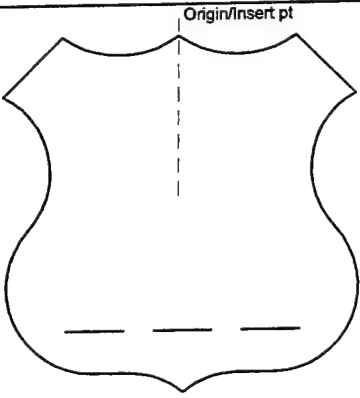
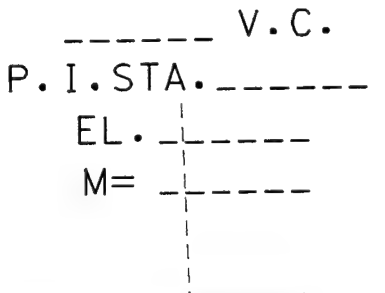
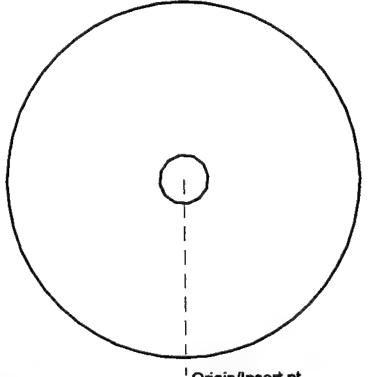
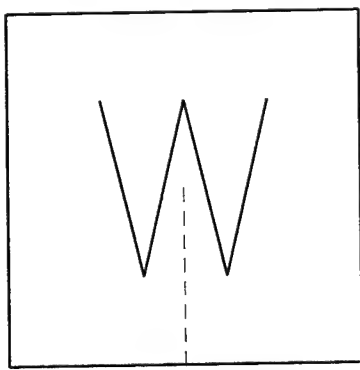
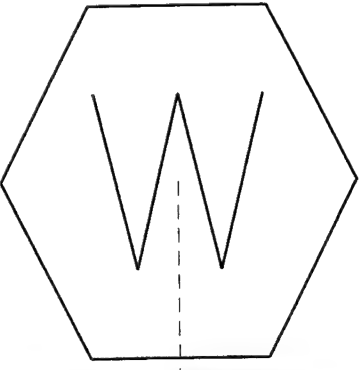
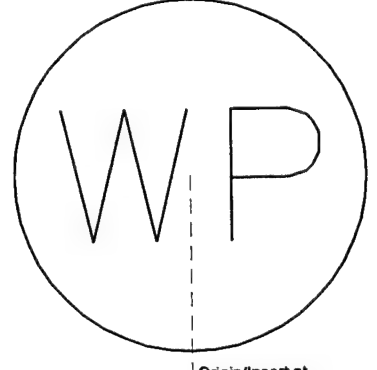
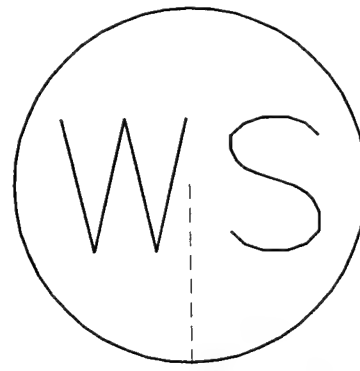
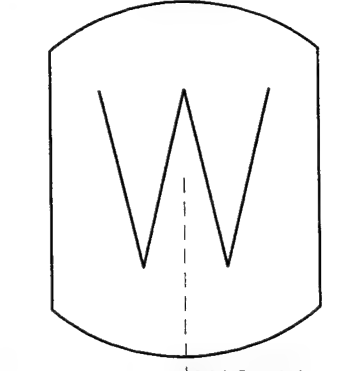
		
Civil:GSRECR GAS RECEIVER Element type: Symbol	Civil:GSTRAP GAS TRAP Element type: Symbol	Civil:GSVALT GAS VALVE VAULT Element type: Symbol
		
Civil:HEADWL HEADWALL Element type: Symbol	Civil:HNDCAP HANDICAP CHAIR SYMBOL Element type: Symbol	Civil:HORCPT HORIZONTAL CONTROL PT Element type: Symbol
		
Civil:HOVCPT HORIZ VERT CONTROL PT Element type: Symbol	Civil:HUREYE HURRICANE EYE Element type: Symbol	Civil:HYDRNT HYDRANT Element type: Symbol

		
<p>Civil: INSHWY INTERSTATE HIGHWAY SYMBOL Element type: Symbol</p>	<p>Civil: IWMETR INDUSTRIAL WASTE WATR METER Element type: Symbol</p>	<p>Civil: IWMHOL INDUSTRIAL WASTE WATR MANHL Element type: Symbol</p>
		
<p>Civil: JNBX EXTERIOR UTIL JUNCTION BOX Element type: Symbol</p>	<p>Civil: MONWEL MONITORING WELL Element type: Symbol</p>	<p>Civil: PHOCPT PHOTO CONTROL POINT Element type: Symbol</p>
<p> P.I. = _____ P.C. = _____ P.T. = _____ Δ = _____ D = _____ R = _____ T = _____ L = _____ </p>		
<p>Civil: PIINFO PI INFORMATION Element type: Symbol</p>	<p>Civil: PIVALV POST INDICATOR VALVE Element type: Symbol</p>	<p>Civil: PMPSTA PUMP STATION Element type: Symbol</p>


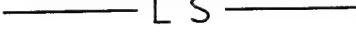

		
<p>Civil:RGVALV REGULATOR VALVE Element type: Symbol</p>	<p>Civil:RRSIGN RAIL SIGNAL Element type: Symbol</p>	<p>Civil:RRSWTC RAIL SWITCH Element type: Symbol</p>
		
<p>Civil:SCNRH SECTION CORNER HATCHED Element type: Symbol</p>	<p>Civil:SCNRO SECTION CORNER OPEN Element type: Symbol</p>	<p>Civil:SDMHOL STORM DRAINAGE MANHOLE Element type: Symbol</p>
		
<p>Civil:SHRUBC CONIFEROUS SHRUB Element type: Symbol</p>	<p>Civil:SHRUBD DECIDUOUS SHRUB Element type: Symbol</p>	<p>Civil:SIGN SIGN Element type: Symbol</p>

		
Civil: SNMHOL SANITARY MANHOLE Element type: Symbol	Civil: SNPVSL SANITARY PRESSURE VESSEL Element type: Symbol	Civil: SNVALT SANITARY VALVE VAULT Element type: Symbol
		
Civil: SPOTEL GROUND SPOT ELEVATION Element type: Symbol	Civil: SPTANK SEPTIC TANK Element type: Symbol	Civil: STHWY STATE HIGHWAY SYMBOL Element type: Symbol
		
Civil: STMPIT STEAM PIT Element type: Symbol	Civil: SWAMP SWAMP Element type: Symbol	Civil: TIDEG TIDE GAGE Element type: Symbol

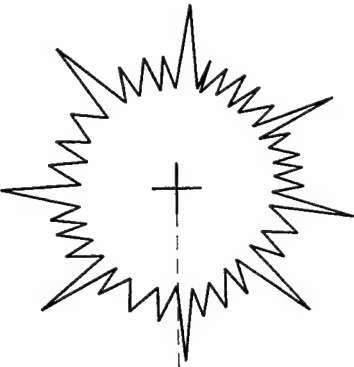
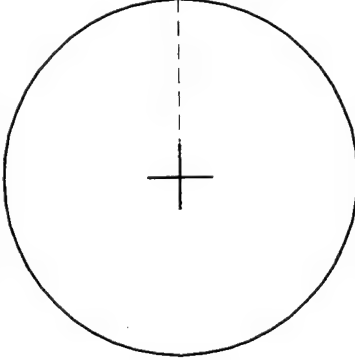
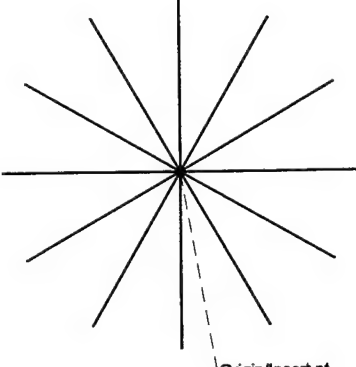
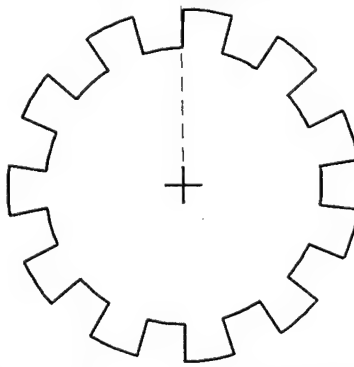
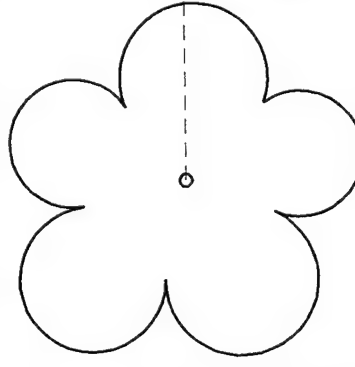
		
<p>Civil: TIRETR TIRE TREDDLE Element type: Symbol</p>	<p>Civil: TNKBG TANK BELOW GROUND Element type: Symbol</p>	<p>Civil: TNKHAG TANK HORIZ ABOVE GROUND Element type: Symbol</p>
		
<p>Civil: TNKVAG TANK VERTICAL ABOVE GROUND Element type: Symbol</p>	<p>Civil: TRACR TRAFFIC ARM WITH CARD READER Element type: Symbol</p>	<p>Civil: TRAMS TRAFFIC ARM MECHANCL SWING Element type: Symbol</p>
		
<p>Civil: TREEC CONIFEROUS TREE Element type: Symbol</p>	<p>Civil: TREED DECIDUOUS TREE Element type: Symbol</p>	<p>Civil: TREEG GENERIC TREE Element type: Symbol</p>

 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Civil: USHWY US HIGHWAY SYMBOL Element type: Symbol</p>	<p>Civil: VCDATA VERTICAL CURVE DATA Element type: Symbol</p>	<p>Civil: VERCPT VERTICAL CONTROL POINT Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Civil: WAHHOL WATER HANDHOLE Element type: Symbol</p>	<p>Civil: WAMETR WATER METER Element type: Symbol</p>	<p>Civil: WAPLNT WATER PLANT Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	
<p>Civil: WASOFT WATER SOFTENER Element type: Symbol</p>	<p>Civil: WAVALT WATER VALVE VAULT Element type: Symbol</p>	










6 Landscape Lines Library


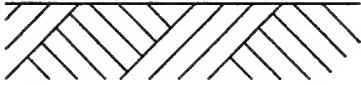
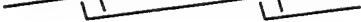





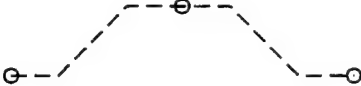
		
Landscape: FENCE FENCE Element type: Line	Landscape: LAWN SP LAWN SPRINKLER SUPPLY Element type: Line	Landscape: TREEL TREE LINE Element type: Line


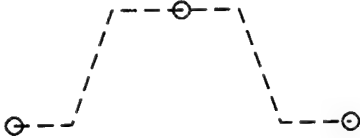

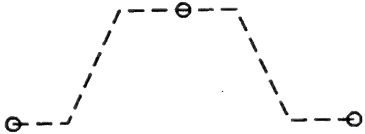
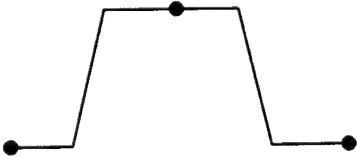
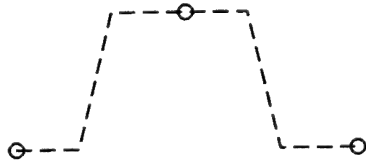



6 Landscape Symbols Library



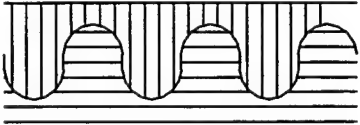


		
<p>Landscape:SHRUBC CONIFEROUS SHRUB Element type: Symbol</p>	<p>Landscape:SHRUBD DECIDUOUS SHRUB Element type: Symbol</p>	<p>Landscape:TREEC CONIFEROUS TREE Element type: Symbol</p>
		
<p>Landscape:TREED DECIDUOUS TREE Element type: Symbol</p>	<p>Landscape:TREEG GENERIC TREE Element type: Symbol</p>	

7 Structural Lines Library

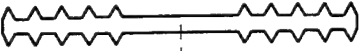
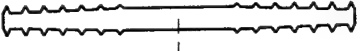



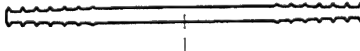
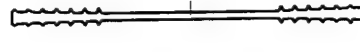


		
Structural:BERM BERM Element type: Line	Structural:CMP127 CMP 127MMX25MM OR 5IN X 1IN Element type: Line	Structural:CMP152 CMP 152MMX51MM OR 6IN X 2IN Element type: Line
		
Structural:CMP38 CMP38MMX6MM OR 1.5INX.25IN Element type: Line	Structural:CMP51 CMP51MMX13MM OR 2IN X .5IN Element type: Line	Structural:CMP68 CMP68MMX13MM OR 2.7INX.5IN Element type: Line
		
Structural:CMP76 CMP76MMX25MM OR 3IN X 1IN Element type: Line	Structural:DECKCR CORRUGATED METAL DECK Element type: Line	Structural:DECKFL METAL DECK FLOOR Element type: Line

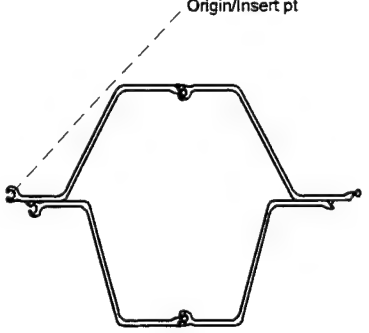
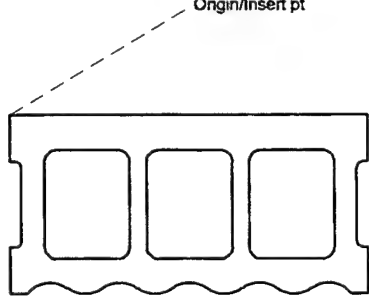
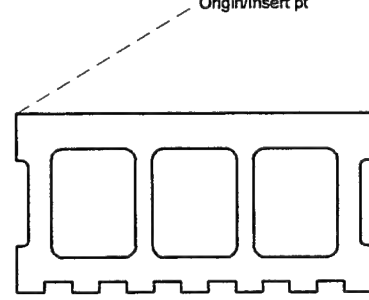
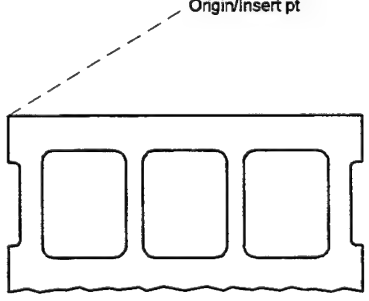
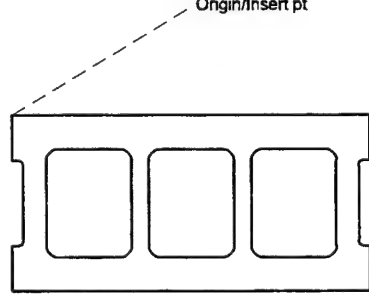
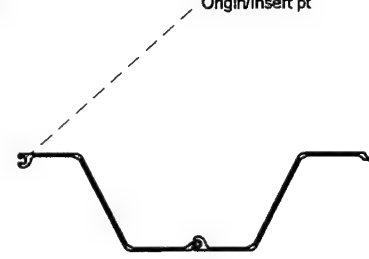
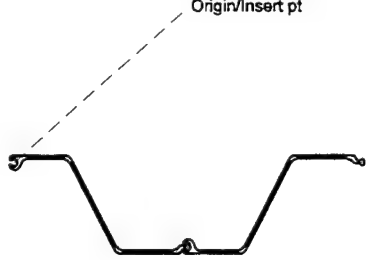
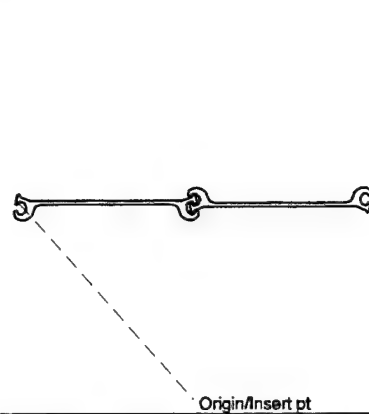
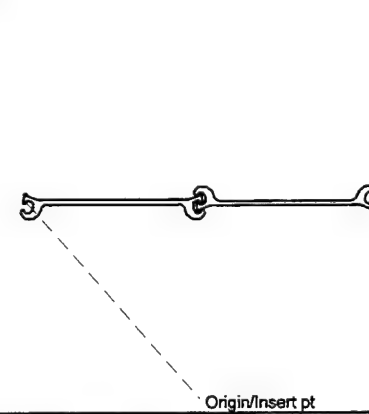
		
Structural:DECKRF METAL DECK ROOF Element type: Line	Structural:GROUND GROUND Element type: Line	Structural:INTRLK INTERLOCK SLOPE PROTECTION Element type: Line
		
Structural:PS31 PS31 SHEET PILE Element type: Line	Structural:PS31H PS31 SHEET PILE HIDDEN Element type: Line	Structural:PSA23 PSA23 SHEET PILE Element type: Line
		
Structural:PSA23H PSA23 SHEET PILE HIDDEN Element type: Line	Structural:PZ22 PZ22 SHEET PILE Element type: Line	Structural:PZ22H PZ22 SHEET PILE HIDDEN Element type: Line

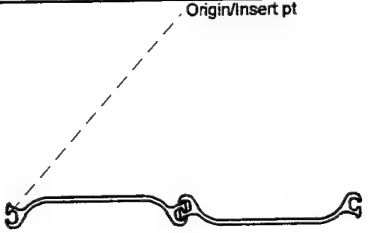
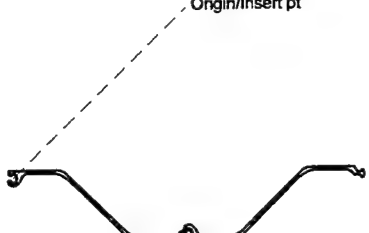
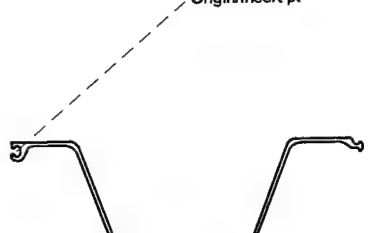
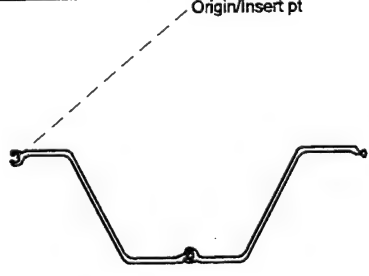
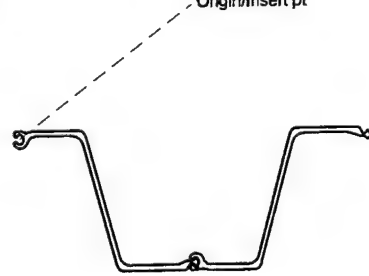
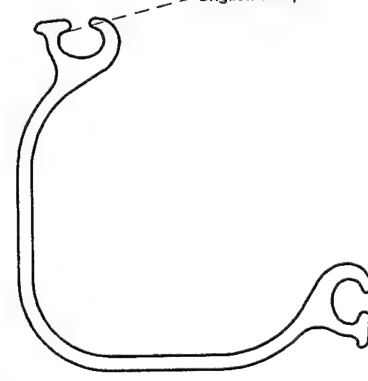
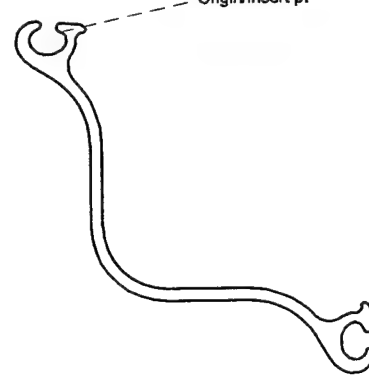
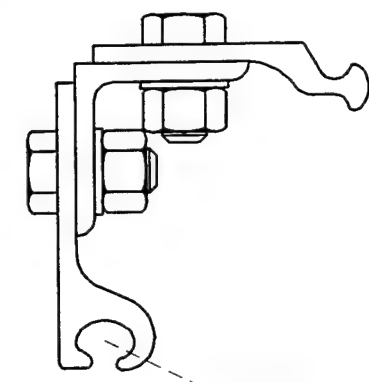
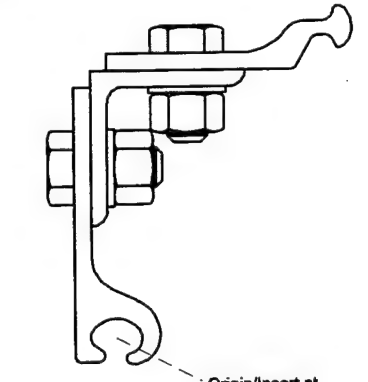
		
Structural:PZ27 PZ27 SHEET PILE Element type: Line	Structural:PZ27H PZ27 SHEET PILE HIDDEN Element type: Line	Structural:PZ35 PZ35 SHEET PILE Element type: Line
		
Structural:PZ35H PZ35 SHEET PILE HIDDEN Element type: Line	Structural:PZ40 PZ40 SHEET PILE Element type: Line	Structural:PZ40H PZ40 SHEET PILE HIDDEN Element type: Line
		
Structural:REBR12 REBAR AT 12IN Element type: Line	Structural:REBR18 REBAR AT 18IN Element type: Line	Structural:REBR6 REBAR AT 6IN Element type: Line

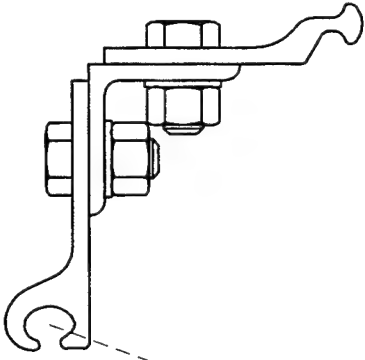
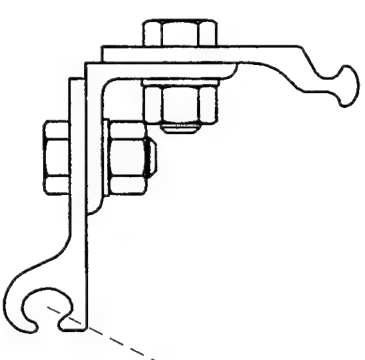
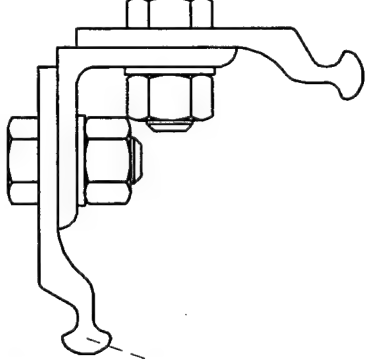
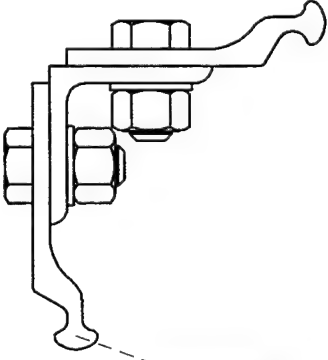
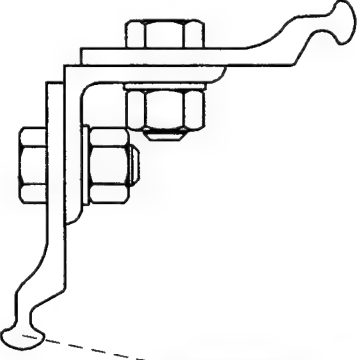
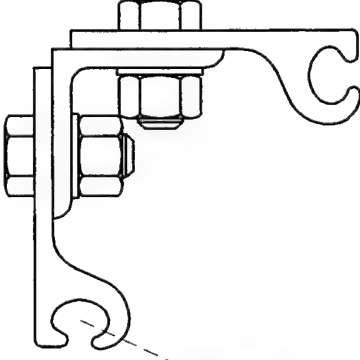
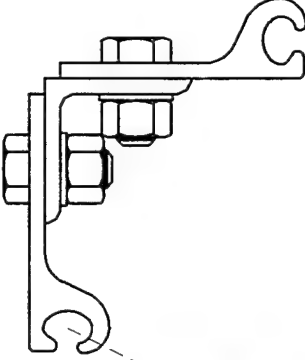
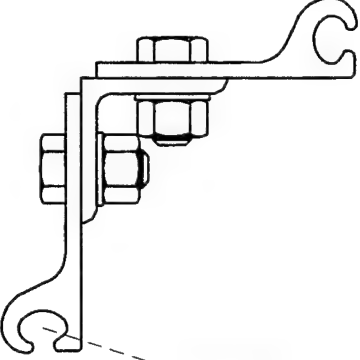
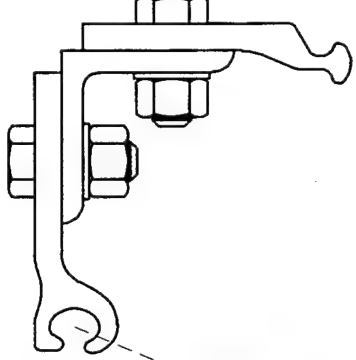
		
Structural:REBR9 REBAR AT 9IN Element type: Line	Structural:RIPPLN RIPRAP PLAN VIEW Element type: Line	Structural:ROCK ROCK Element type: Line
		
Structural:SHORLN SHORE LINE Element type: Line	Structural:WWFBRC WELDED WIRE FABRIC Element type: Line	

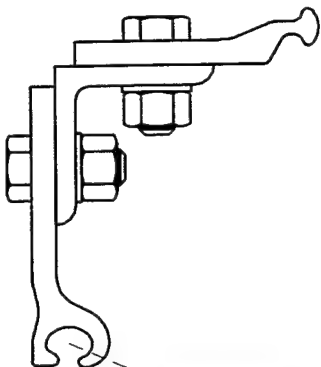
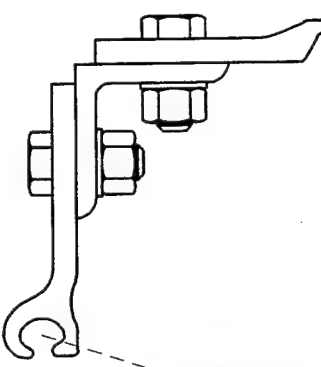
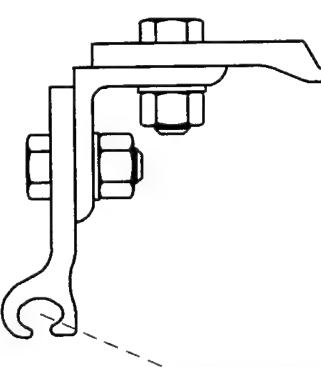
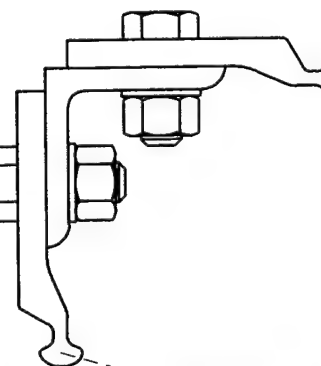
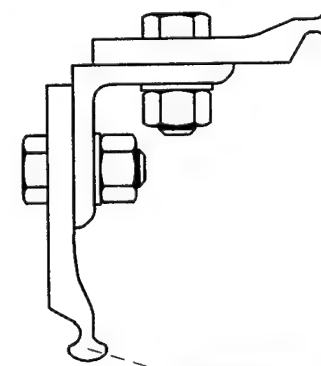
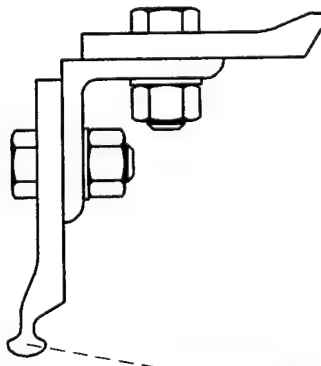
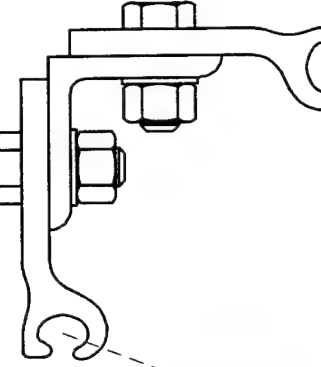
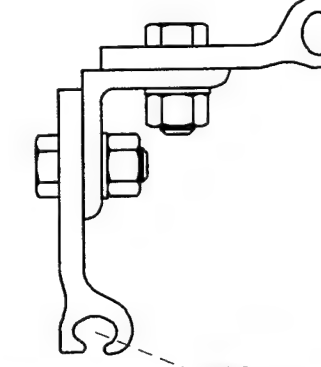
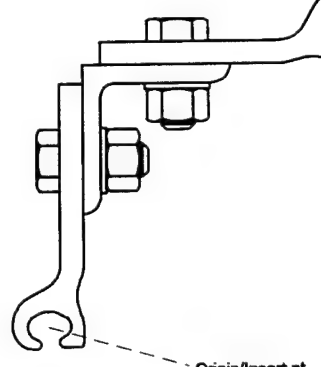
7 Structural Objects Library

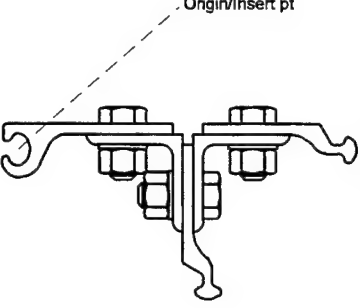
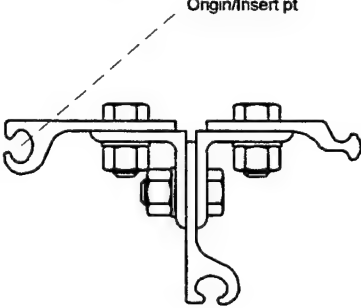
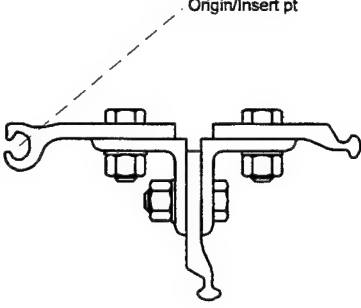
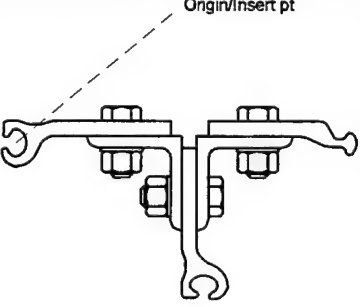
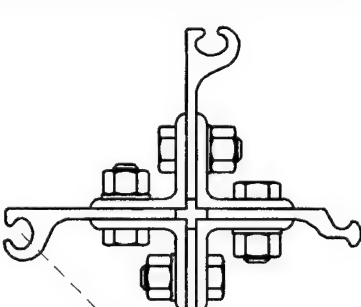
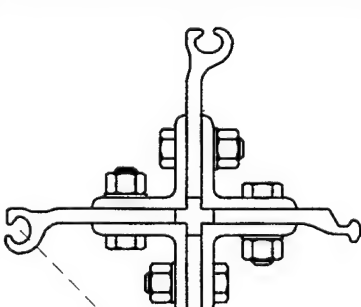
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Structural:4FRB 4 IN FLAT RIBBED Element type: Object</p>	<p>Structural:6FRBHD 6 IN FLAT RIBBED HVY DTY Element type: Object</p>	<p>Structural:6FRBLW 6 IN FLAT RIBBED LT WT Element type: Object</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Structural:6RCBHD 6 IN RIB W CTR BULB HVY DTY Element type: Object</p>	<p>Structural:6RCBLW 6 IN RIB W CTR BULB LT WT Element type: Object</p>	<p>Structural:9FLBHD 9 IN FLAT RIBBED HVY DTY Element type: Object</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Structural:9FRBLW 9 IN FLAT RIBBED LT WT Element type: Object</p>	<p>Structural:9RCBHD 9 IN RIB W CTR BULB HVY DTY Element type: Object</p>	<p>Structural:9RCBLW 9 IN RIB W CTR BULB LT WT Element type: Object</p>

		
<p>Structural:BOX BOX PILE Element type: Object</p>	<p>Structural:CMUFL FLUTED CONC BLK 8X8X16 Element type: Object</p>	<p>Structural:CMURIB RIBBED CONC BLK 8X8X16 Element type: Object</p>
		
<p>Structural:CMUSF SPLIT FACE CONC BLK 8X8X16 Element type: Object</p>	<p>Structural:CMUSTR CONC BLOCK 8X8X16 STR. Element type: Object</p>	<p>Structural:PLZ23 PLZ23 SHEET PILING Element type: Object</p>
		
<p>Structural:PLZ25 PLZ25 SHEET PILING Element type: Object</p>	<p>Structural:PS27.5 PS27.5 SHEET PILE Element type: Object</p>	<p>Structural:PS31 PS31 SHEET PILE Element type: Object</p>

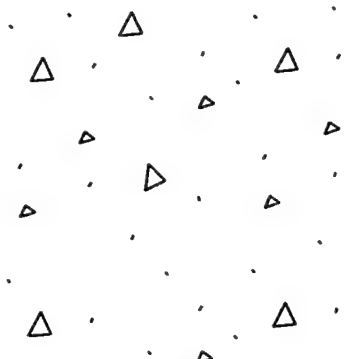

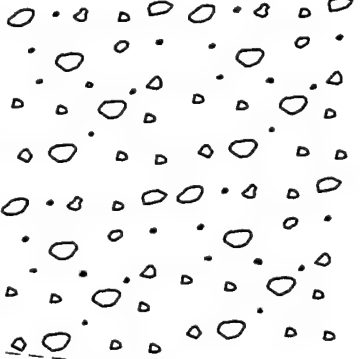
		
Structural:PSA23 PSA23 SHEET PILE Element type: Object	Structural:PZ22 PZ22 SHEET PILE Element type: Object	Structural:PZ27 PZ27 SHEET PILE Element type: Object
		
Structural:PZ35 PZ35 SHEET PILE Element type: Object	Structural:PZ40 PZ40 SHEET PILE Element type: Object	Structural:RC230 RC230 SHEET PILE CONNECTION Element type: Object
		
Structural:RC231 RC231 SHEET PILE CONNECTION Element type: Object	Structural:ZC270 PZ22 PZ27 L CONNECTION Element type: Object	Structural:ZC271 PZ22 PZ27 L CONNECTION Element type: Object

		
<p>Structural:ZC272 PZ22 PZ27 L CONNECTION Element type: Object</p>	<p>Structural:ZC273 PZ22 PZ27 L CONNECTION Element type: Object</p>	<p>Structural:ZC274 PZ22 PZ27 L CONNECTION Element type: Object</p>
		
<p>Structural:ZC275 PZ22 PZ27 L CONNECTION Element type: Object</p>	<p>Structural:ZC276 PZ22 PZ27 L CONNECTION Element type: Object</p>	<p>Structural:ZC277 PZ22 PZ27 L CONNECTION Element type: Object</p>
		
<p>Structural:ZC278 PZ22 PZ27 L CONNECTION Element type: Object</p>	<p>Structural:ZC279 PZ22 PZ27 L CONNECTION Element type: Object</p>	<p>Structural:ZC350 PZ35 PZ40 L CONNECTION Element type: Object</p>

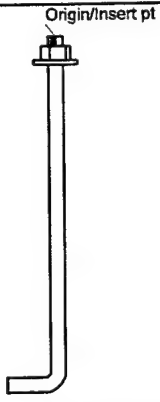

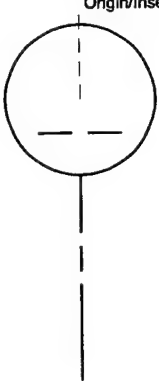
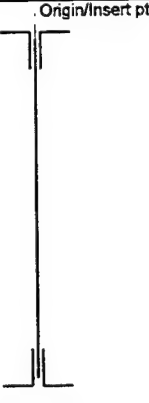
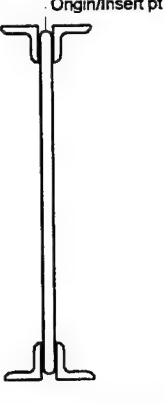
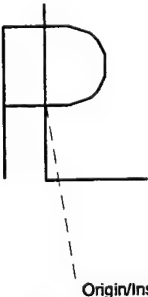
		
<p>Structural:ZC351 PZ35 PZ40 L CONNECTION Element type: Object</p>	<p>Structural:ZC352 PZ35 PZ40 L CONNECTION Element type: Object</p>	<p>Structural:ZC353 PZ35 PZ40 L CONNECTION Element type: Object</p>
		
<p>Structural:ZC354 PZ35 PZ40 L CONNECTION Element type: Object</p>	<p>Structural:ZC355 PZ35 PZ40 L CONNECTION Element type: Object</p>	<p>Structural:ZC356 PZ35 PZ40 L CONNECTION Element type: Object</p>
		
<p>Structural:ZC357 PZ35 PZ40 L CONNECTION Element type: Object</p>	<p>Structural:ZC358 PZ35 PZ40 L CONNECTION Element type: Object</p>	<p>Structural:ZC359 PZ35 PZ40 L CONNECTION Element type: Object</p>

		
<p>Structural:ZT270 PZ22 PZ27 T CONNECTION Element type: Object</p>	<p>Structural:ZT271 PZ22 PZ27 T CONNECTION Element type: Object</p>	<p>Structural:ZT350 PZ35 PZ40 T CONNECTION Element type: Object</p>
		
<p>Structural:ZT351 PZ35 PZ40 T CONNECTION Element type: Object</p>	<p>Structural:ZX270 PZ22 PZ27 CROSS CONNECTION Element type: Object</p>	<p>Structural:ZX350 PZ35 PZ40 CROSS CONNECTION Element type: Object</p>



7 Structural Patterns Library

 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Structural: CONCS CONCRETE STONE Element type: Pattern</p>	<p>Structural: EEARTH EXISTING EARTH Element type: Pattern</p>	<p>Structural: GRAVEL GRAVEL Element type: Pattern</p>

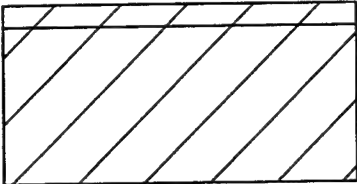
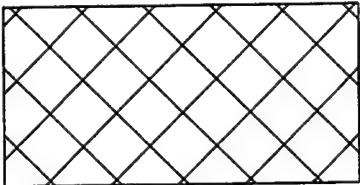
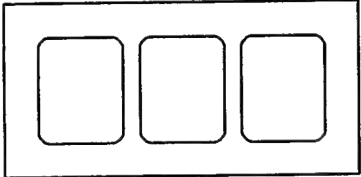
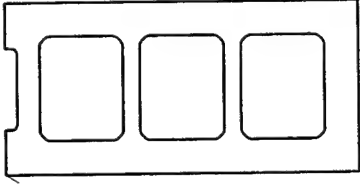
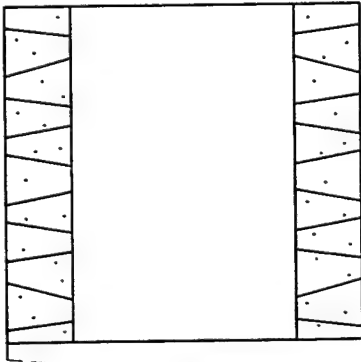
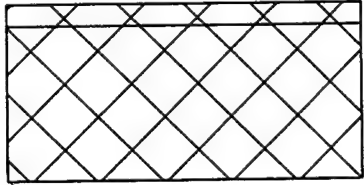
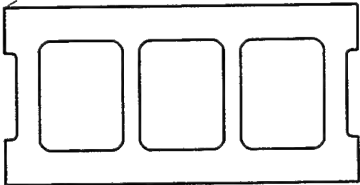
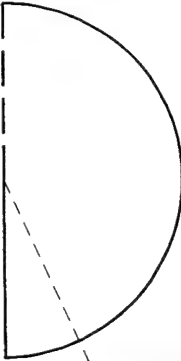
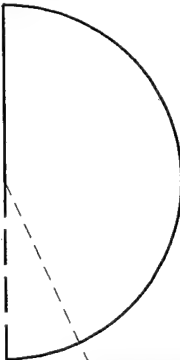
7 Structural Symbols Library

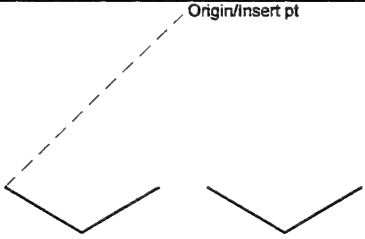
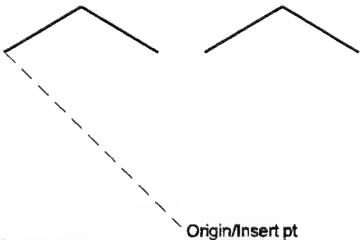
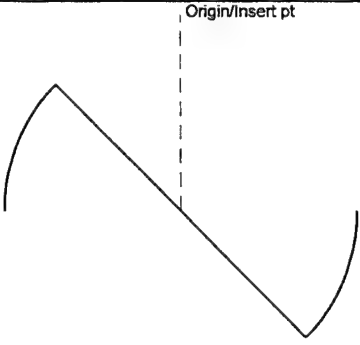
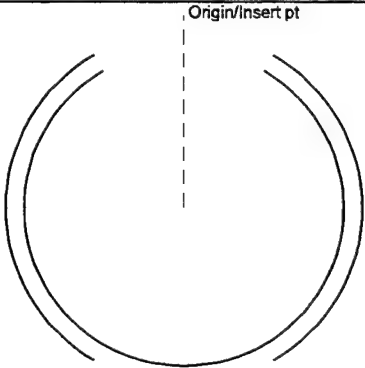
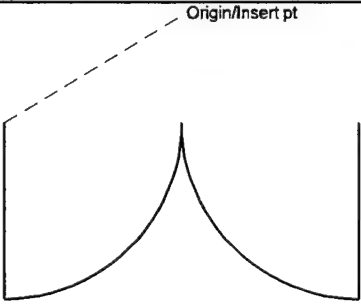
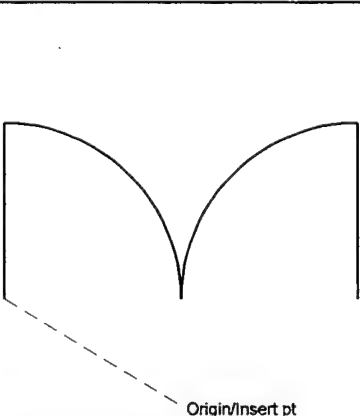
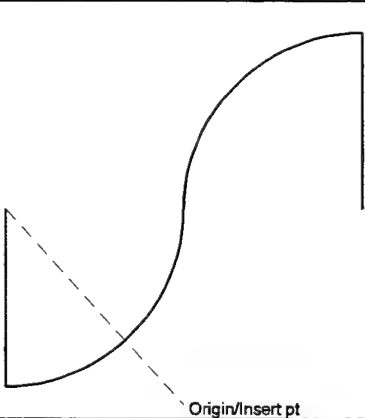
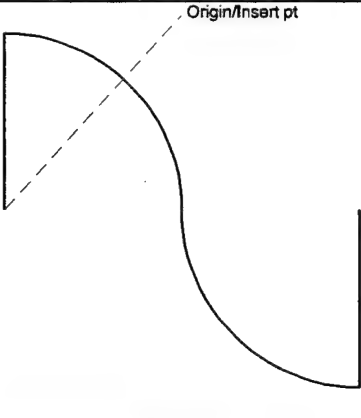
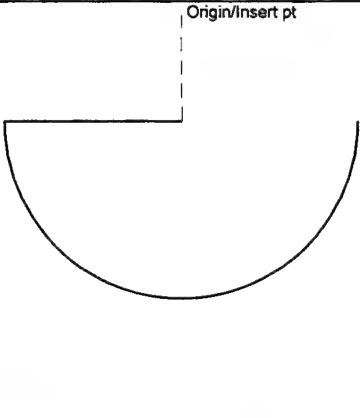
		
<p>Structural:ANBOLT ANCHOR BOLT Element type: Symbol</p>	<p>Structural:CNTLIN CENTERLINE SYMBOL Element type: Symbol</p>	<p>Structural:COLLIN COLUMN LINE GRID INDICATOR Element type: Symbol</p>
		
<p>Structural:JSTBR1 JOIST BAR SINGLE LINE Element type: Symbol</p>	<p>Structural:JSTBR2 JOIST BAR DOUBLE LINE Element type: Symbol</p>	<p>Structural:PLATE PLATE SYMBOL Element type: Symbol</p>

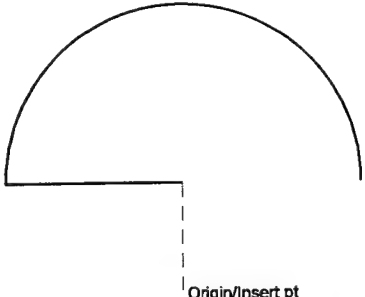
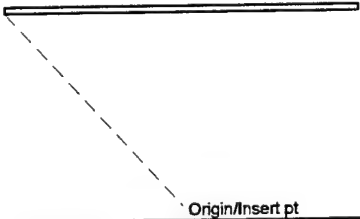
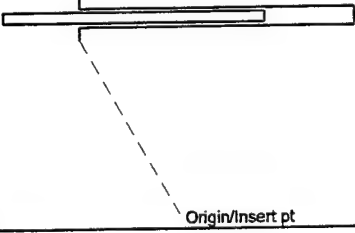
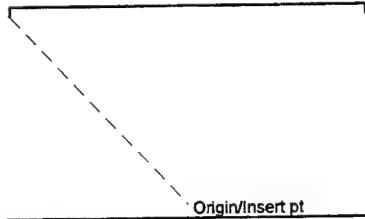
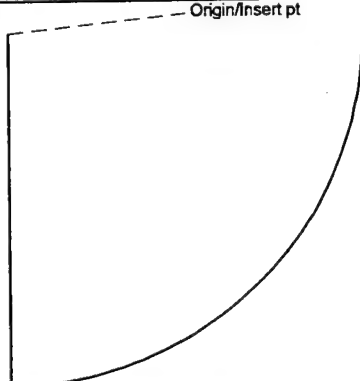
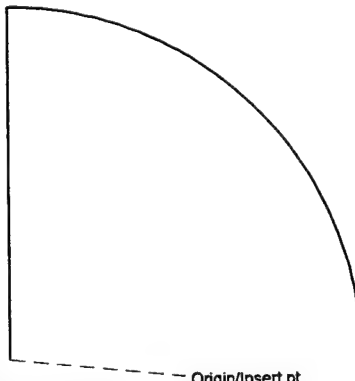
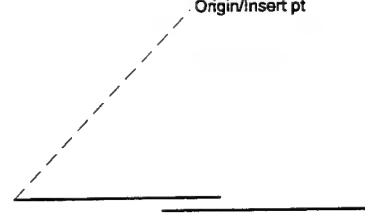
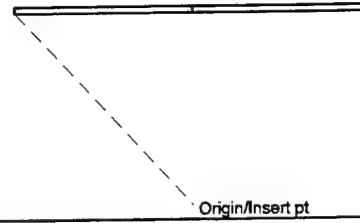
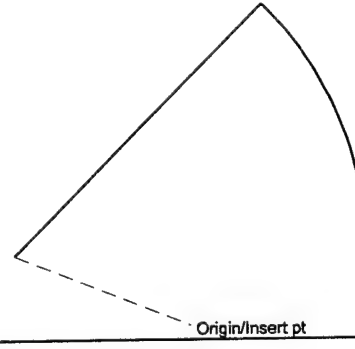
8 Architectural Lines Library

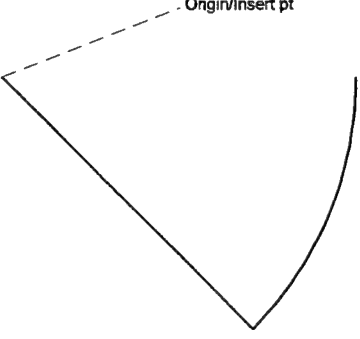
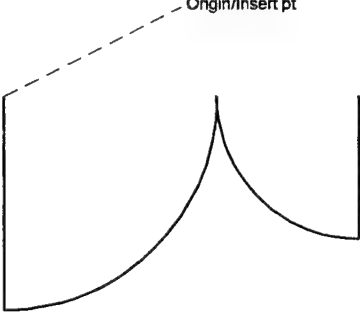
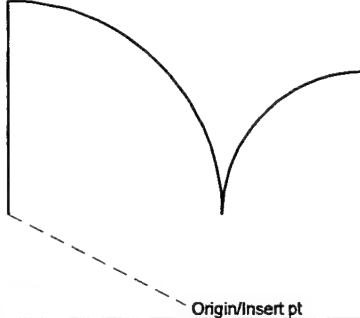
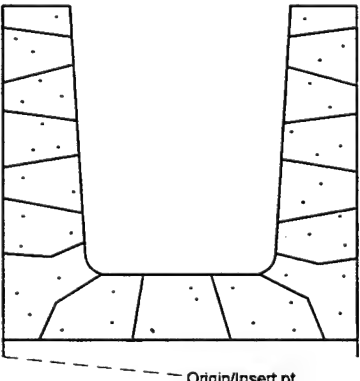
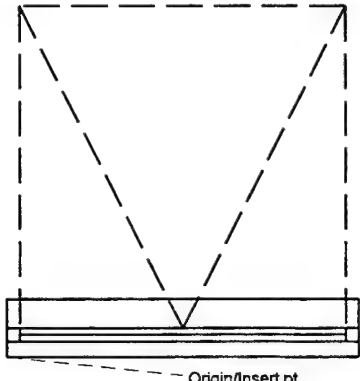
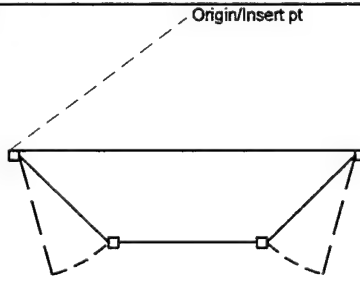
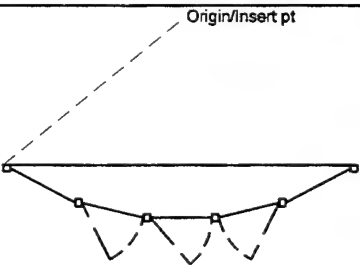
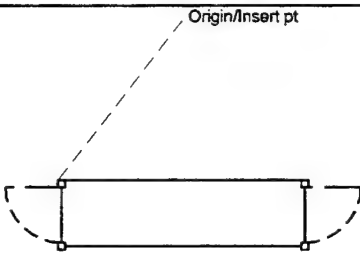
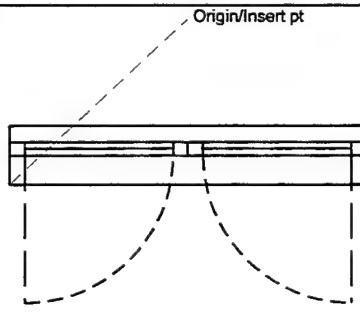
	
<p>Architectural: INBATT LOOSE FILL BATT INSULATION Element type: Line</p>	<p>Architectural: WWFBRC WELDED WIRE FABRIC Element type: Line</p>

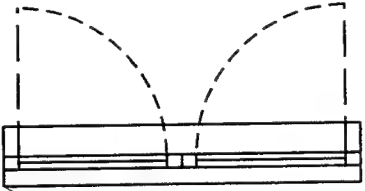

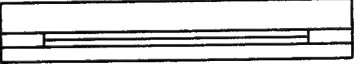
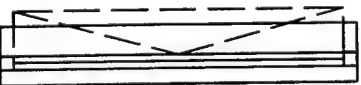
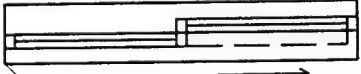

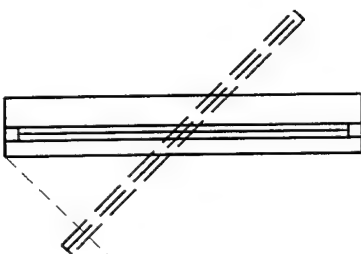
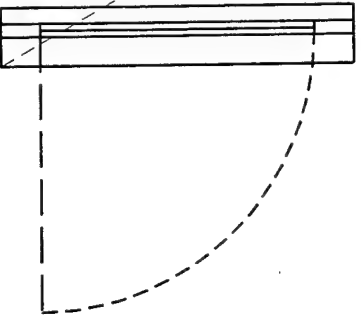
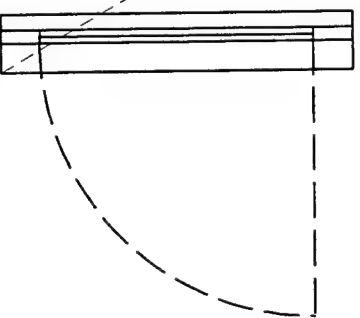
8 Architectural Objects Library

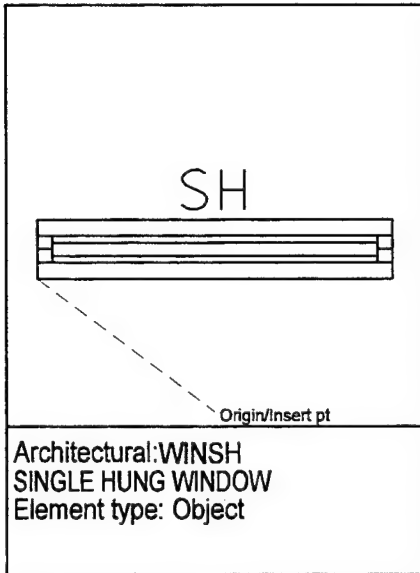
		
<p>Architectural: BRKGL GLAZED BRICK Element type: Object</p>	<p>Architectural: CMU MASONRY UNIT Element type: Object</p>	<p>Architectural: CMUBLK CONC BLOCK 8X8X16 Element type: Object</p>
		
<p>Architectural: CMUCOR CONC BLOCK 8X8X16 COR. Element type: Object</p>	<p>Architectural: CMUEND CONC BLOCK 8X8X16 END Element type: Object</p>	<p>Architectural: CMUGL GLAZED CONCRETE BLOCK Element type: Object</p>
		
<p>Architectural: CMUSTR CONC BLOCK 8X8X16 STR. Element type: Object</p>	<p>Architectural: DOR18L LEFT DOOR 180 DEGREE SWING Element type: Object</p>	<p>Architectural: DOR18R RIGHT DOOR 180 DEGREE SWING Element type: Object</p>

		
<p>Architectural: DORBFL LEFT BIFOLD DOOR Element type: Object</p>	<p>Architectural: DORBFR RIGHT BIFOLD DOOR Element type: Object</p>	<p>Architectural: DORCPV DOOR CENTER PIVOT Element type: Object</p>
		
<p>Architectural: DORCYL CYLINDRICAL DOOR Element type: Object</p>	<p>Architectural: DORDBL LEFT DOUBLE DOOR Element type: Object</p>	<p>Architectural: DORDBR RIGHT DOUBLE DOOR Element type: Object</p>
		
<p>Architectural: DORDEL LEFT DOUBLE EGRESS DOOR Element type: Object</p>	<p>Architectural: DORDER RIGHT DOUBLE EGRESS DOOR Element type: Object</p>	<p>Architectural: DORFSL LEFT SINGLE FULL SWING DOOR Element type: Object</p>

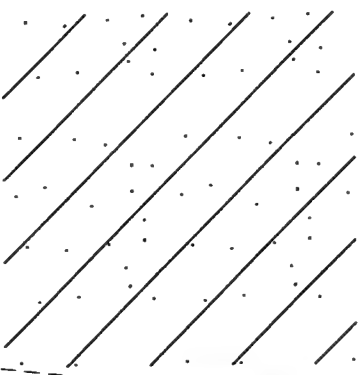
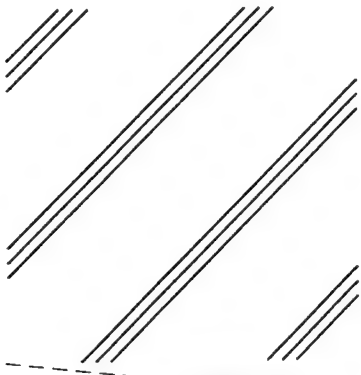
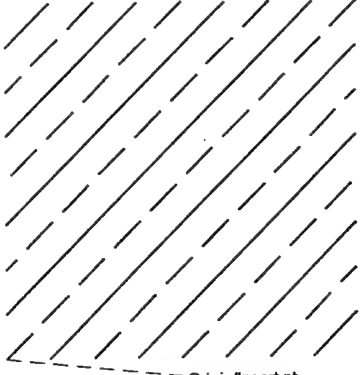
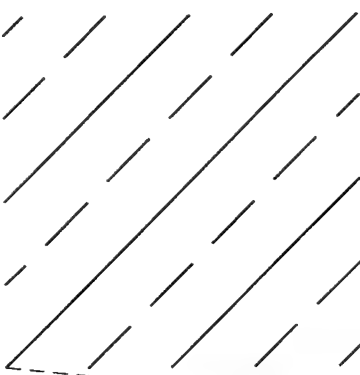
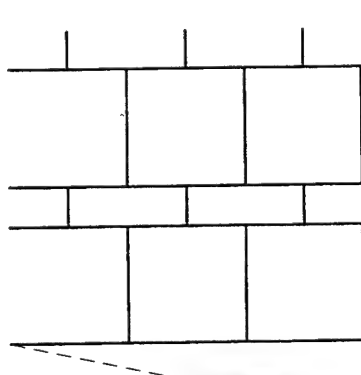
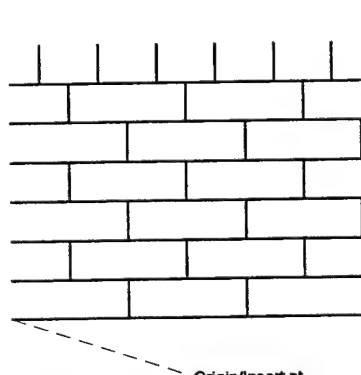
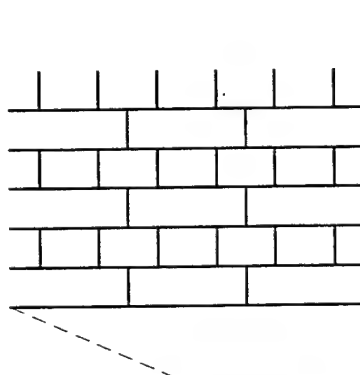
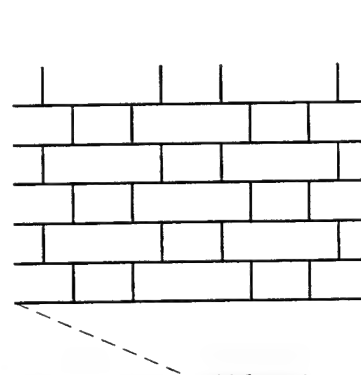
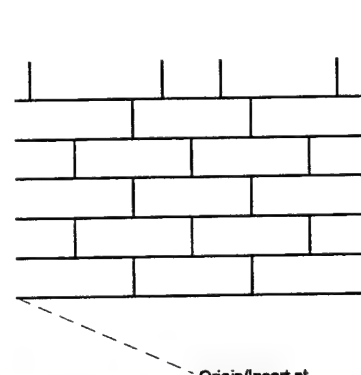
		
<p>Architectural: DORFSR RIGHT SINGLE FULL SWING DOOR Element type: Object</p>	<p>Architectural: DOROVH OVERHEAD DOOR Element type: Object</p>	<p>Architectural: DORPOC DOOR POCKET Element type: Object</p>
		
<p>Architectural: DORRUP ROLL UP DOOR Element type: Object</p>	<p>Architectural: DORSHL LEFT SINGLE HINGED DOOR Element type: Object</p>	<p>Architectural: DORSHR RIGHT SINGLE HINGED DOOR Element type: Object</p>
		
<p>Architectural: DORS LD SLIDING DOOR Element type: Object</p>	<p>Architectural: DORSLS SLIDING SURFACE DOOR Element type: Object</p>	<p>Architectural: DORSPL LEFT SINGLE PIVOT DOOR Element type: Object</p>

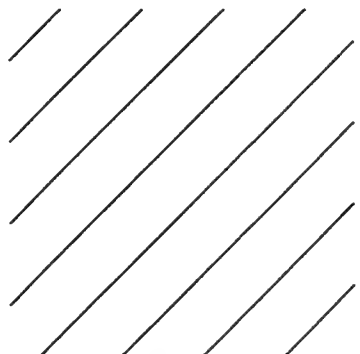
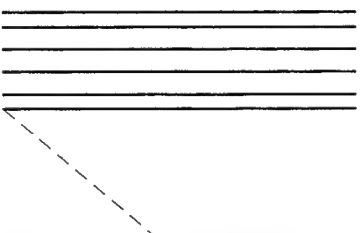
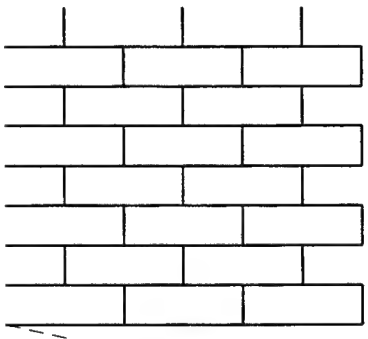
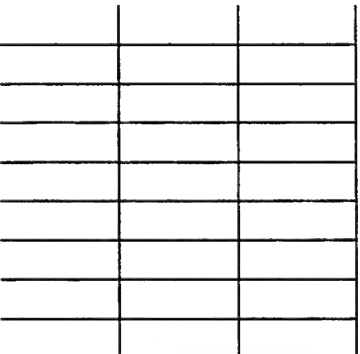
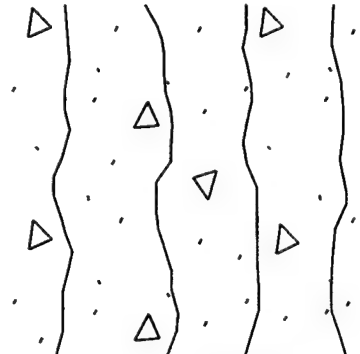
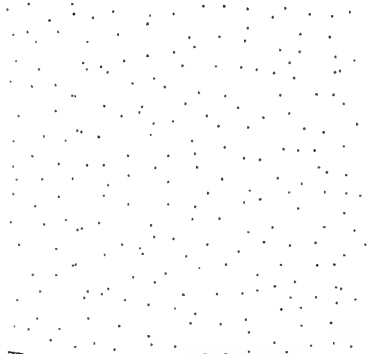
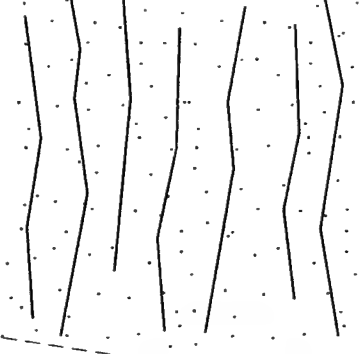
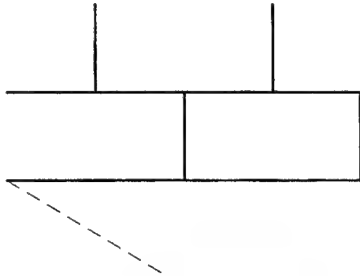
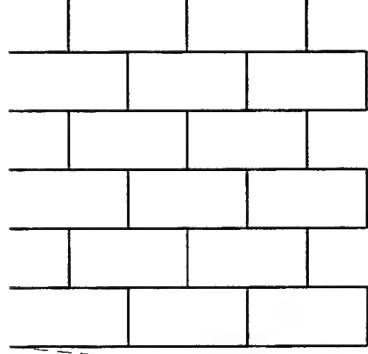
		
Architectural:DORSPR RIGHT SINGLE PIVOT DOOR Element type: Object	Architectural:DORUDL LEFT UNEVEN DOUBLE DOOR Element type: Object	Architectural:DORUDR RIGHT UNEVEN DOUBLE DOOR Element type: Object
		
Architectural:LINTEL CONC BEAM BOND LINTEL Element type: Object	Architectural:WINAWN WINDOW AWNING Element type: Object	Architectural:WINBAY PROJECTED BAY WINDOW Element type: Object
		
Architectural:WINBOW PROJECTED BOW WINDOW Element type: Object	Architectural:WINBOX PROJECTED BOX WINDOW Element type: Object	Architectural:WINDCI WNDW DBLCASEMNT INWRD OPEN Element type: Object

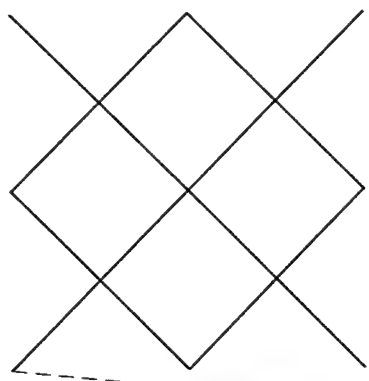
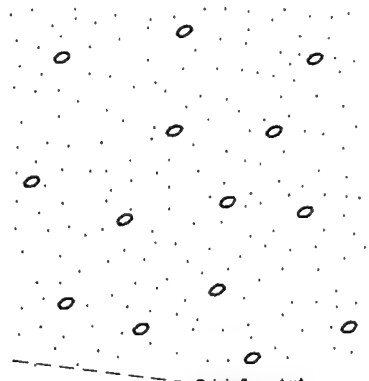
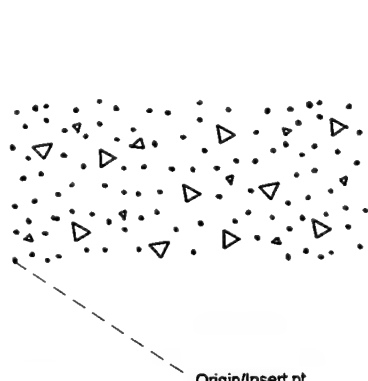
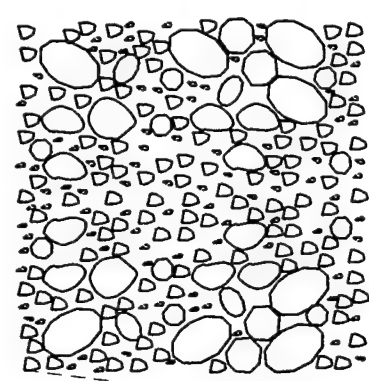
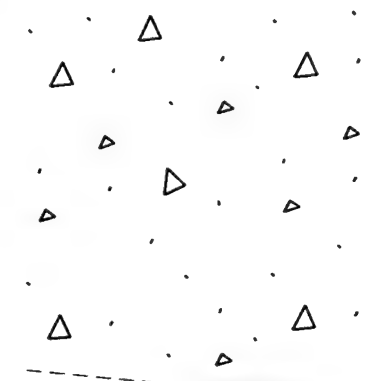
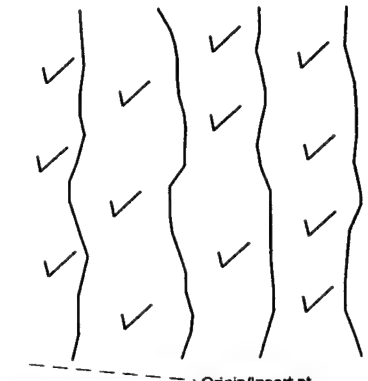
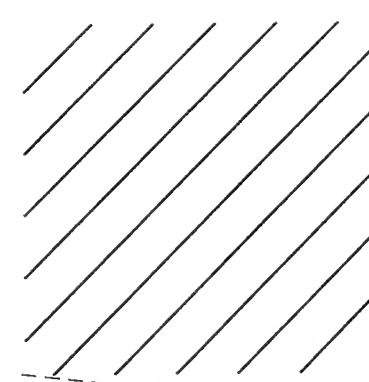
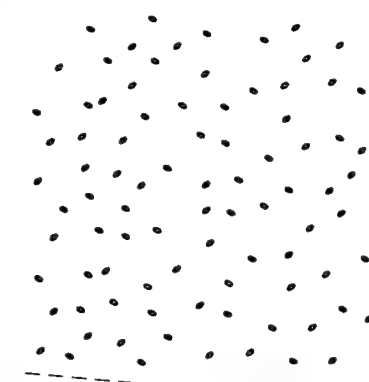
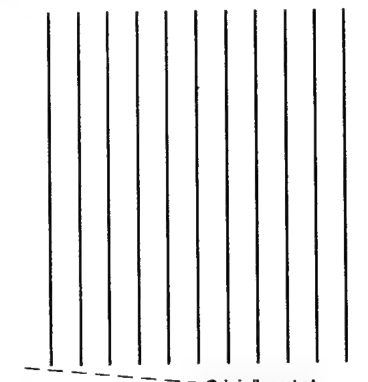
		
<p>Architectural:WINDCO WNDW DBLCASEMNT OUTWARD OPE Element type: Object</p>	<p>Architectural:WINDH DOUBLE HUNG WINDOW Element type: Object</p>	<p>Architectural:WINFIX FIXED 1 FOOT WINDOW Element type: Object</p>
		
<p>Architectural:WINJAL JALOUSIE WINDOW Element type: Object</p>	<p>Architectural:WINOSL SLIDNG WNDW LFT OPRTNG SASH Element type: Object</p>	<p>Architectural:WINOSR SLDNG WNDW RIGHT OPRTNG SASH Element type: Object</p>
		
<p>Architectural:WINPIV PIVOT WINDOW Element type: Object</p>	<p>Architectural:WINSCL WNDWSNGLCASEMNTLEFTJAMBHING Element type: Object</p>	<p>Architectural:WINSR WNDWSNGLCASEMNTRIGHTJAMBHING Element type: Object</p>

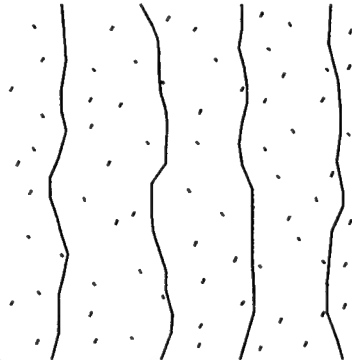
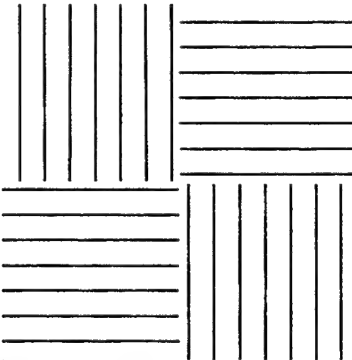
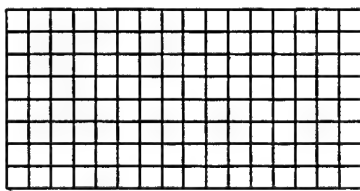
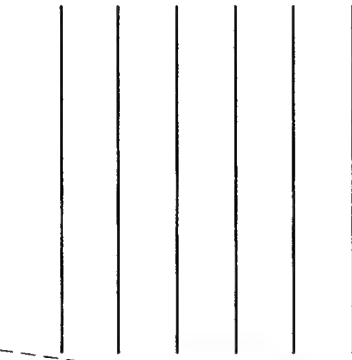

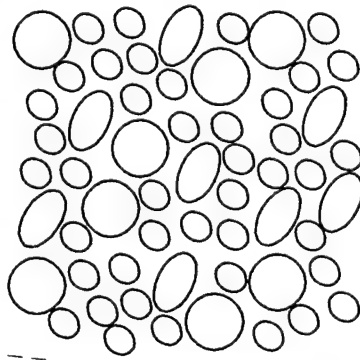
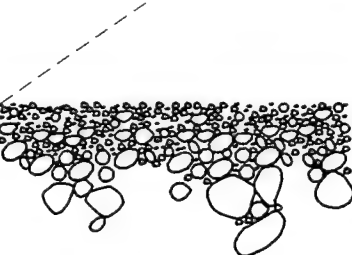




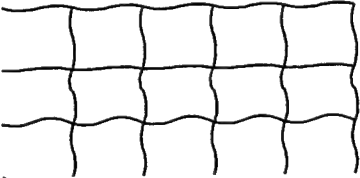
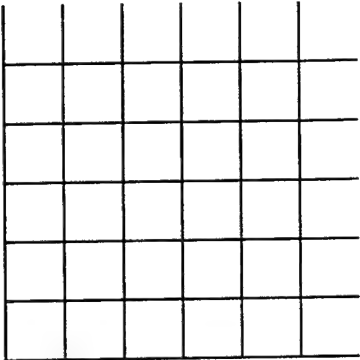
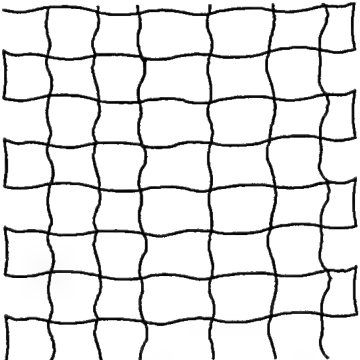
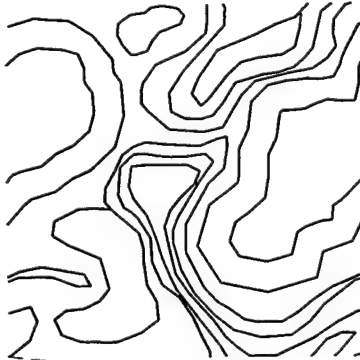

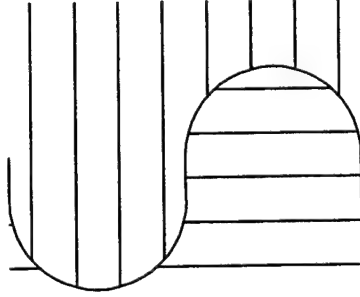
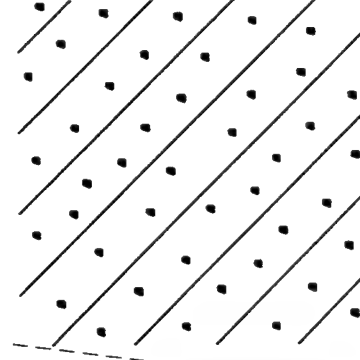
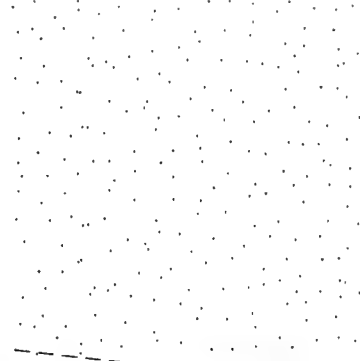
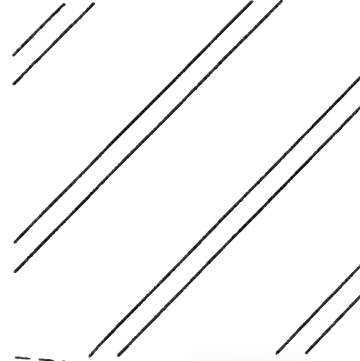
8 Architectural Patterns Library


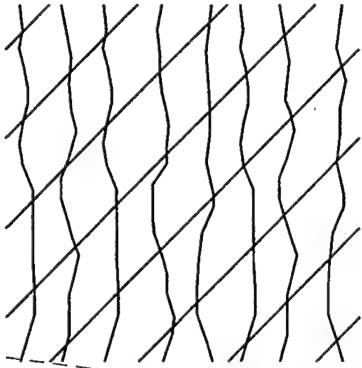
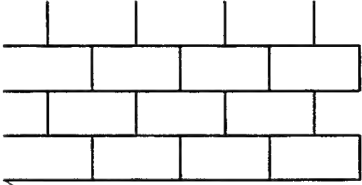
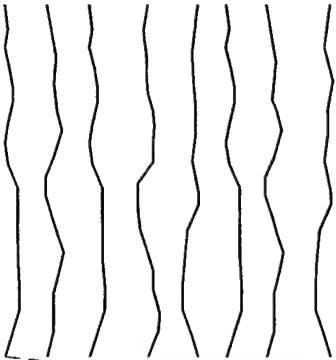
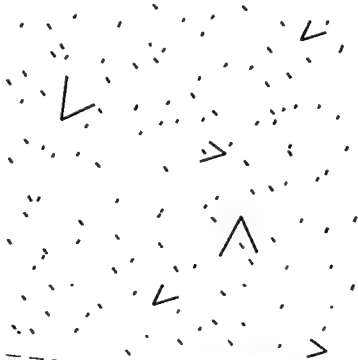
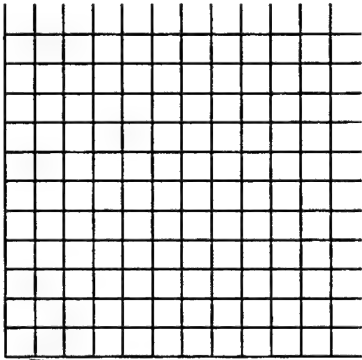
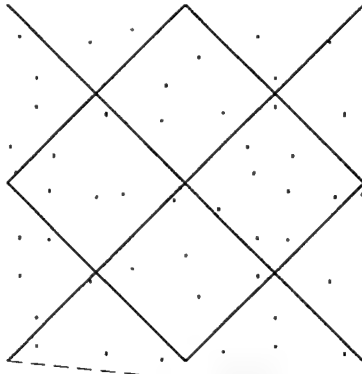
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural: ADOBE MSNRY ADOBE RAMMED EARTHPTN Element type: Pattern</p>	<p>Architectural: ALUMIN ALUMINUM PATTERN Element type: Pattern</p>	<p>Architectural: ASHLER STONE ASHLER PATTERN Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural: BRASS BRONZE BRASS PATTERN Element type: Pattern</p>	<p>Architectural: BRBLCO COURSED BRICK BLK PTN Element type: Pattern</p>	<p>Architectural: BRCOBD COMMON BOND BRICK PTN Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural: BRENBD ENGLISH BOND BRICK PTN Element type: Pattern</p>	<p>Architectural: BRFLBD FLEMISH BOND BRICK PTN Element type: Pattern</p>	<p>Architectural: BRFLCB FLEMISH COM BOND PTN Element type: Pattern</p>

 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural:BRKCF COMMON FACE BRICK PTN Element type: Pattern</p>	<p>Architectural:BRKELE BRICK ELEVATION PTN Element type: Pattern</p>	<p>Architectural:BRNBD BRICK RUNNING BOND PTN Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural:BRSTBD BRICK STACK BOND PATTERN Element type: Pattern</p>	<p>Architectural:CCBSS CAST CONC BLK SM SCALE PTN Element type: Pattern</p>	<p>Architectural:CCELEV CONC CEMENT ELEV PTN Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural:CDTOP CEMENTITIOUSDECK TOPPINGPTN Element type: Pattern</p>	<p>Architectural:CMUBP CMU BLOCK PATTERN Element type: Pattern</p>	<p>Architectural:CMUEL B ELEVATION BLOCK PTN Element type: Pattern</p>




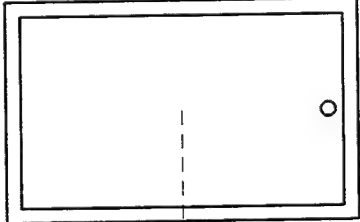
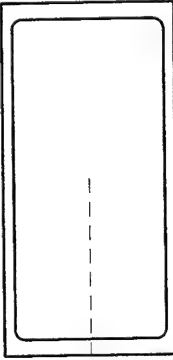
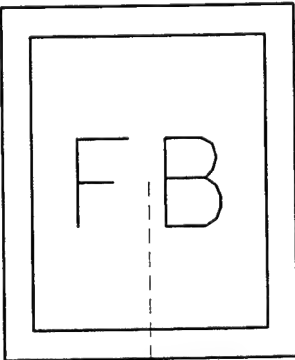
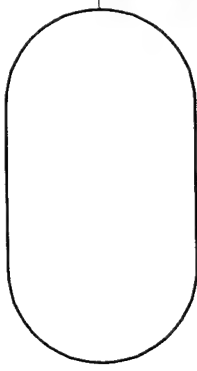
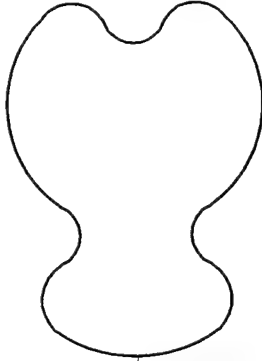
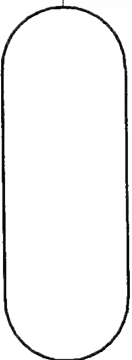
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural: CONBLK CONCRETE BLOCK PATTERN Element type: Pattern</p>	<p>Architectural: CONCCN CONCRETE CINDER Element type: Pattern</p>	<p>Architectural: CONCLW CONCRETE LIGHT WEIGHT Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural: CONCPR PRECAST CASTIN PLACECONCPTN Element type: Pattern</p>	<p>Architectural: CONCST CONCRETE STONE Element type: Pattern</p>	<p>Architectural: CONPBS PUMICE BLK CONC SMSCALE PTN Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural: CSTIRN CAST IRON PATTERN Element type: Pattern</p>	<p>Architectural: CSTSTN CAST STONE PATTERN Element type: Pattern</p>	<p>Architectural: CTILSS CERAMIC TILE SM SCALE Element type: Pattern</p>

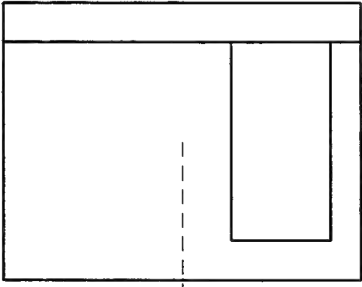
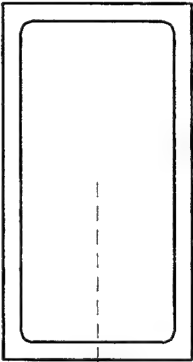
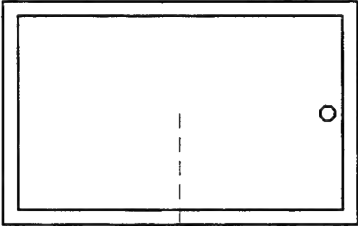
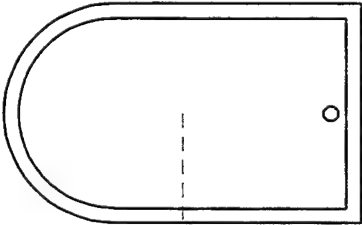
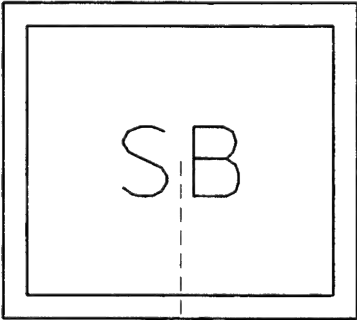
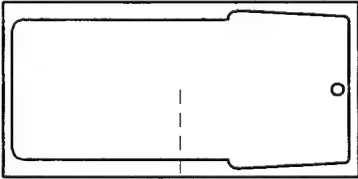
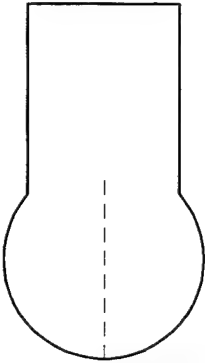
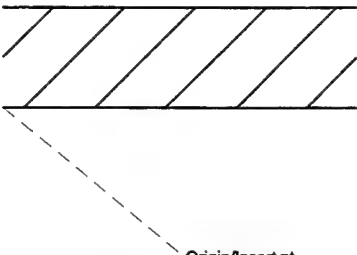
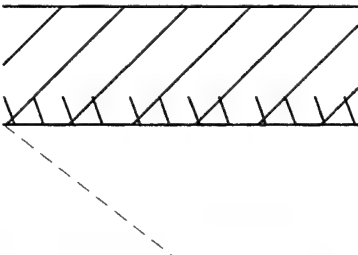
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural: CUTSTN CUT STONE PATTERN Element type: Pattern</p>	<p>Architectural: EARTH COMPACTD FILL EARTHWRK PTN Element type: Pattern</p>	<p>Architectural: FIBFSF FIBROUS FIRE SAFING PTN Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural: GLASS STRUCTURAL GLASS PTN Element type: Pattern</p>	<p>Architectural: GROUT GROUT Element type: Pattern</p>	<p>Architectural: GRVCRE CRUSHED ROCK EARTH GRVL PTN Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural: GRVPFE POROUS FILL GRAVEL EARTHWRK PTN Element type: Pattern</p>	<p>Architectural: GRVSCL SAND CLAY GRAVEL PATTERN Element type: Pattern</p>	<p>Architectural: GYPPE GYPSUM PLASTER PLAN ELEV PTN Element type: Pattern</p>

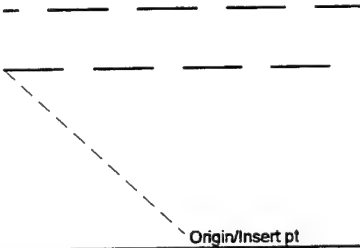
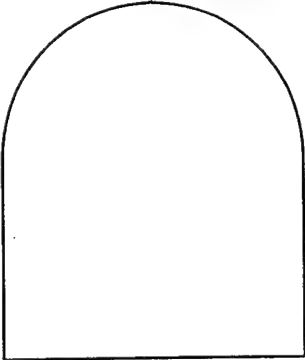
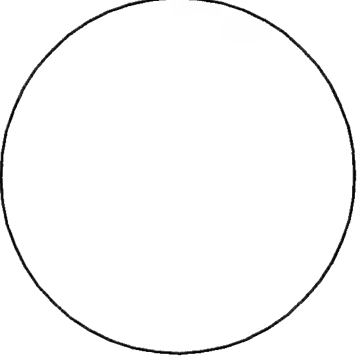

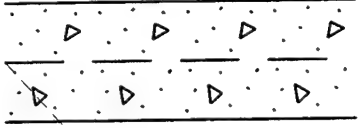
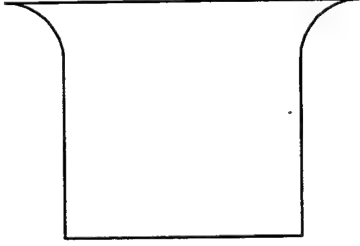
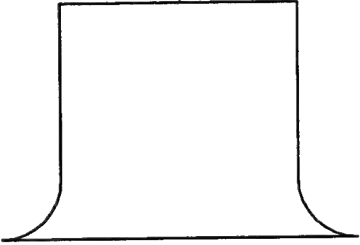
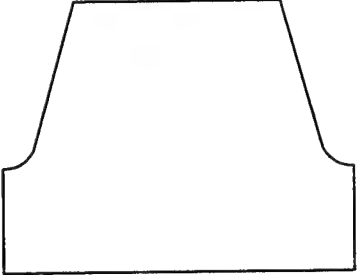
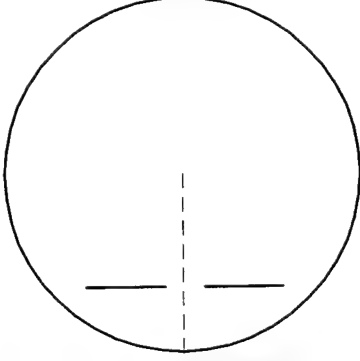
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural:INSQTL LRGSCALE INSULATNQILTSPN Element type: Pattern</p>	<p>Architectural:INSRIG RIGID INSULATION PATTERN Element type: Pattern</p>	<p>Architectural:INSSCM SOLIDCORKMAGNESIA INSULPTN Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural:MARBL2 MARBLE STONE PLAN VIEW Element type: Pattern</p>	<p>Architectural:RIPRAP RIPRAP PATTERN Element type: Pattern</p>	<p>Architectural:ROCK ROCK EARTHWORK PATTERN Element type: Pattern</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural:RUBBLE STONE RUBBLE PATTERN Element type: Pattern</p>	<p>Architectural:SAND SAND PATTERN Element type: Pattern</p>	<p>Architectural:STEEL STEEL OTHER METALS PATTERN Element type: Pattern</p>

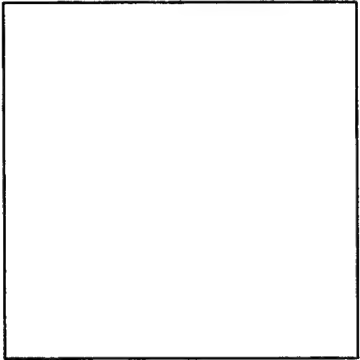
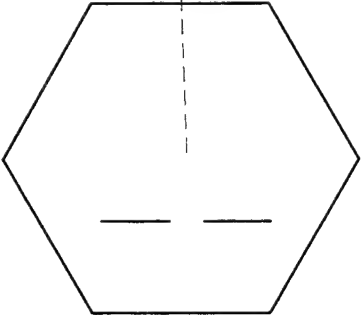
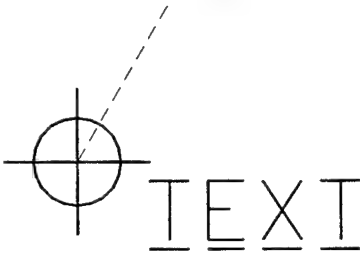
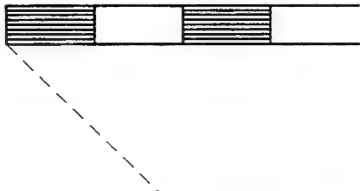
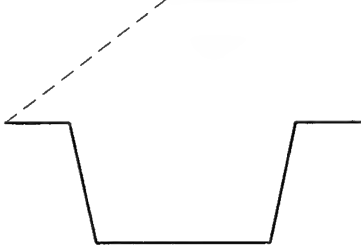

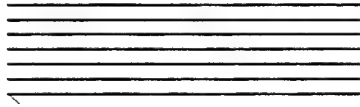

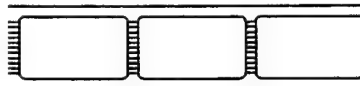
		
<p>Architectural:STNSQR SQUARED STONE PATTERN Element type: Pattern</p>	<p>Architectural:TBCSS TERACOTA SMSCALE BRICKCOTA Element type: Pattern</p>	<p>Architectural:TCELEV TERRA COTTA ELEVATION PTN Element type: Pattern</p>
		
<p>Architectural:TCUSS TERACOTA SMSCALE UNGLZDPTN Element type: Pattern</p>	<p>Architectural:TERRZO TERRAZZO PATTERN Element type: Pattern</p>	<p>Architectural:TILCER CERAMIC TILE ELEVATION PTN Element type: Pattern</p>
 <p>Architectural:TILESF STRUCTURAL FACING TILE PTN Element type: Pattern</p>		

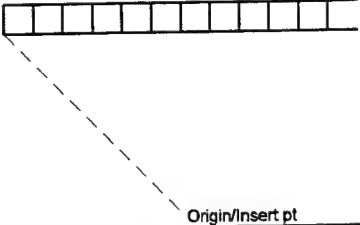
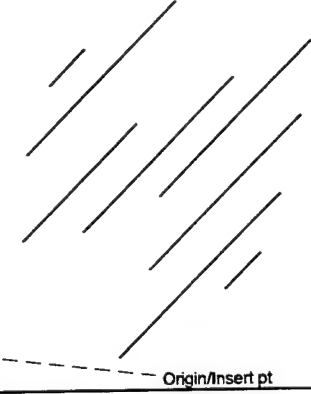
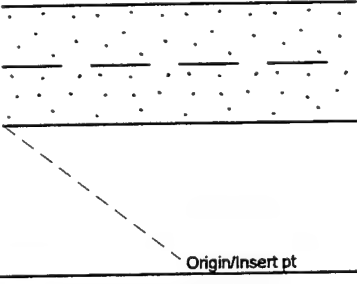
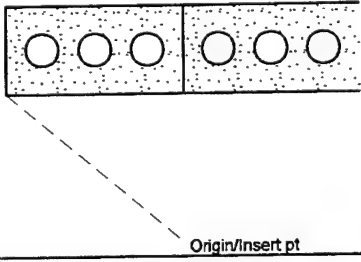
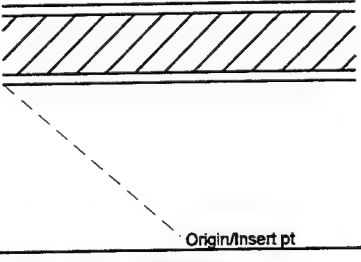
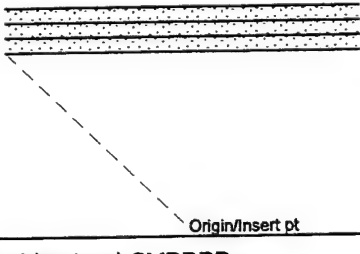
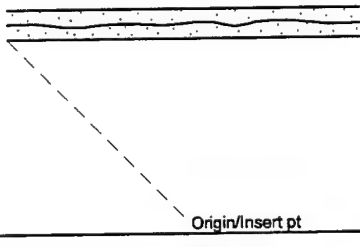
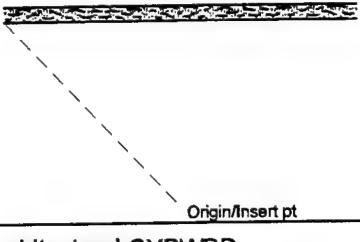
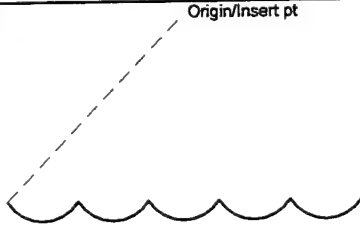
8 Architectural Symbols Library

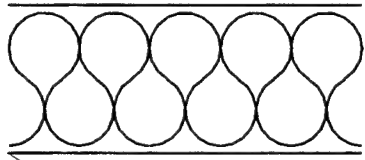
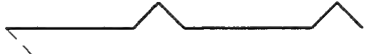
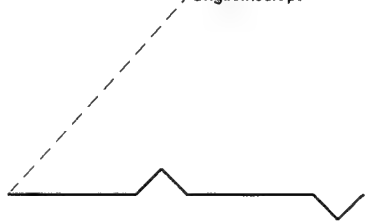

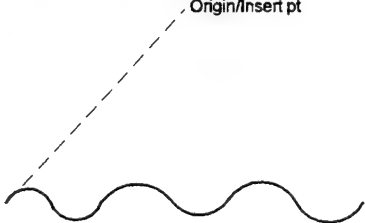
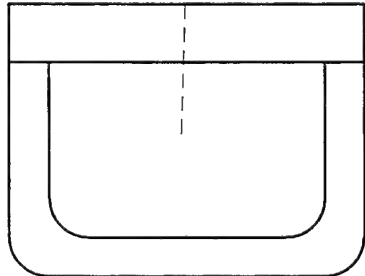
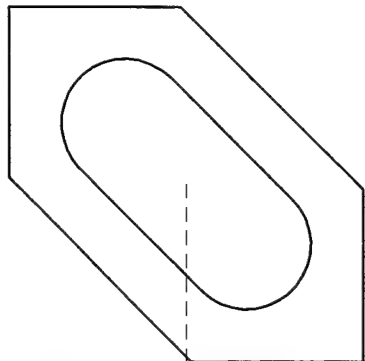
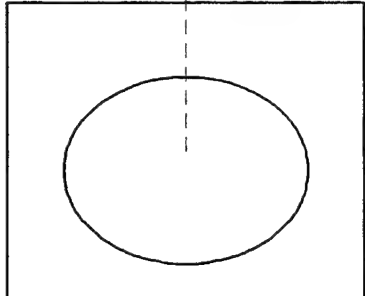

 <p data-bbox="370 596 482 617">Origin/Insert pt</p>	 <p data-bbox="786 596 898 617">Origin/Insert pt</p>	 <p data-bbox="1203 588 1315 609">Origin/Insert pt</p>
<p data-bbox="164 632 545 716">Architectural:ARCPBW ARCHTCTRL PARTICLEBRD WDWK Element type: Symbol</p>	<p data-bbox="578 632 951 716">Architectural:ASBDLS LARGE SCALE ASBESTOS BOARD Element type: Symbol</p>	<p data-bbox="992 621 1357 705">Architectural:ASBDSS SMALL SCALE ASBESTOS BOARD Element type: Symbol</p>
 <p data-bbox="375 1157 487 1178">Origin/Insert pt</p>	 <p data-bbox="786 1152 898 1173">Origin/Insert pt</p>	 <p data-bbox="1203 1146 1315 1167">Origin/Insert pt</p>
<p data-bbox="164 1188 415 1272">Architectural:BATHCO CORNER BATH Element type: Symbol</p>	<p data-bbox="578 1188 837 1272">Architectural:BATHEM EMERGENCY BATH Element type: Symbol</p>	<p data-bbox="992 1178 1243 1262">Architectural: BATHFT FOOT BATH Element type: Symbol</p>
 <p data-bbox="375 1325 487 1346">Origin/Insert pt</p>	 <p data-bbox="797 1713 909 1734">Origin/Insert pt</p>	 <p data-bbox="1211 1314 1323 1335">Origin/Insert pt</p>
<p data-bbox="172 1749 480 1833">Architectural:BATHHA HYDROTHERAPY ARM BATH Element type: Symbol</p>	<p data-bbox="586 1745 959 1829">Architectural:BATHHH HYDROTHERAPY HUBBARD BATH Element type: Symbol</p>	<p data-bbox="1000 1738 1308 1822">Architectural: BATHHL HYDROTHERAPY LEG BATH Element type: Symbol</p>

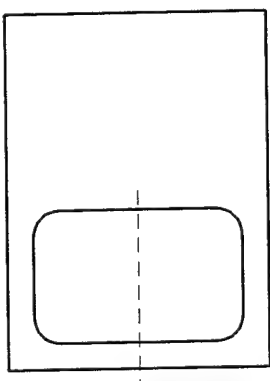
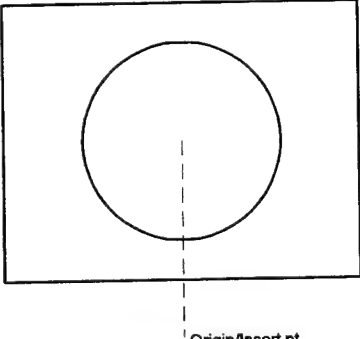
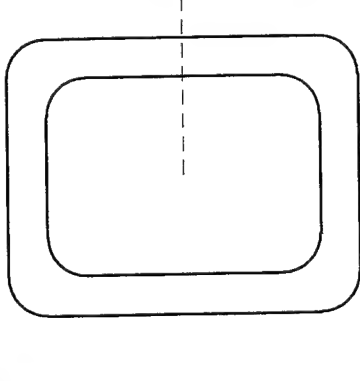
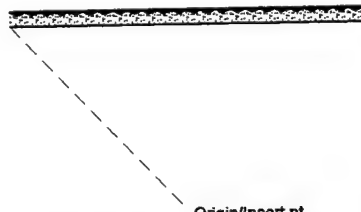
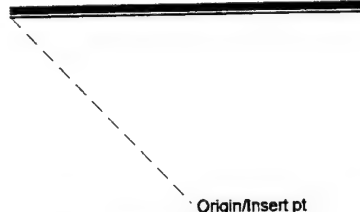
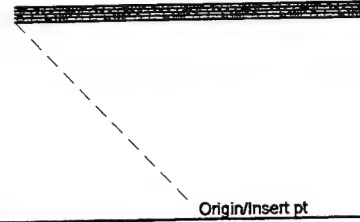
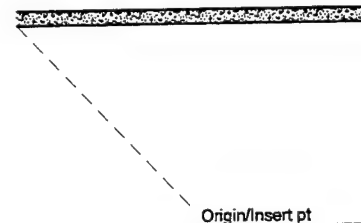
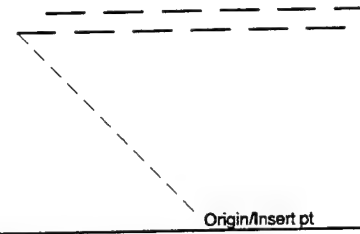
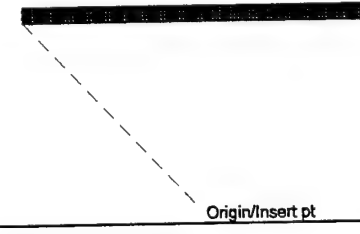
		
<p>Architectural: BATHIF INFANT BATH Element type: Symbol</p>	<p>Architectural: BATHIN INSTITUTIONAL BATH Element type: Symbol</p>	<p>Architectural: BATHRC RECESSED BATH Element type: Symbol</p>
		
<p>Architectural: BATHRR ROLL RIM BATH Element type: Symbol</p>	<p>Architectural: BATHSZ SITZ BATH Element type: Symbol</p>	<p>Architectural: BATHWP WHIRLPOOL BATH Element type: Symbol</p>
		
<p>Architectural: BIDET WATERCLOSET BIDET Element type: Symbol</p>	<p>Architectural: BRFACC BRICK FACE ON COMMON Element type: Symbol</p>	<p>Architectural: BRFIRE FIRE BRICK Element type: Symbol</p>

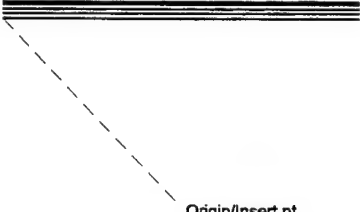
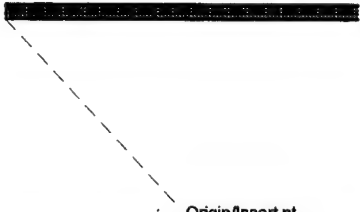
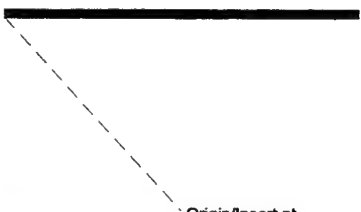
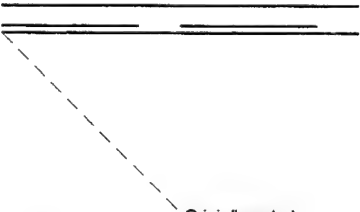
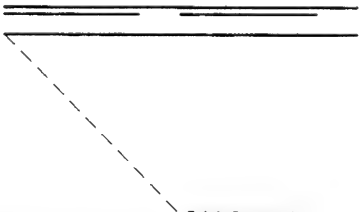
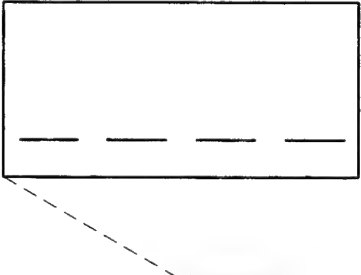
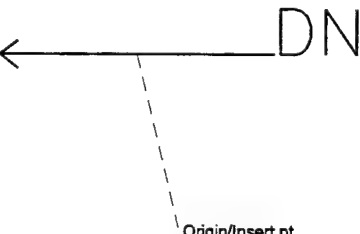
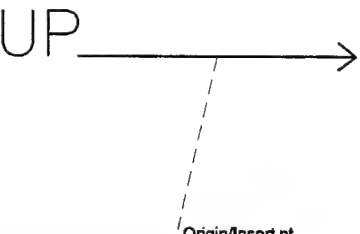
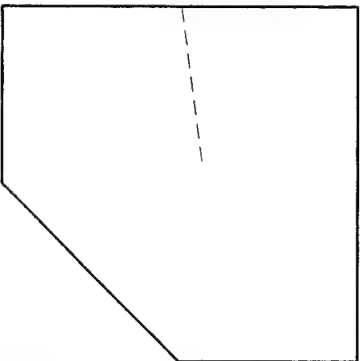
		
Architectural: BSSFLG BLUESTN SLT SOAPSTN FLAGING Element type: Symbol	Architectural: CANWCT CAN WASHER CABINET TYPE Element type: Symbol	Architectural: CANWDT CAN WASHER DISH TYPE Element type: Symbol
		
Architectural: CARPET CARPET AND PAD Element type: Symbol	Architectural: CPLANK CONCRETE PLANK Element type: Symbol	Architectural: DFPROJ DRINK FOUNTAIN PROJECTNG TYP Element type: Symbol
		
Architectural: DFRECS DRINK FOUNTAIN RECESSED TYP Element type: Symbol	Architectural: DFSREC DRINK FOUNTN SEMIRECSSD TYP Element type: Symbol	Architectural: DOORID DOOR OPENING IDENTIFIER Element type: Symbol

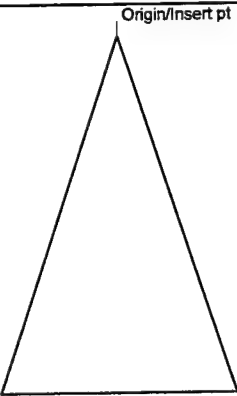
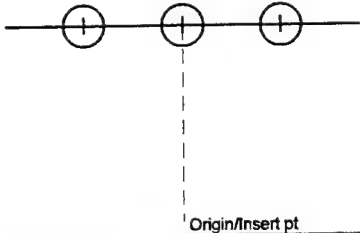
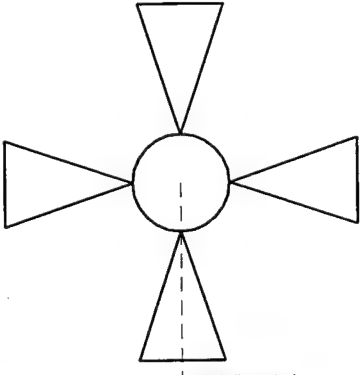
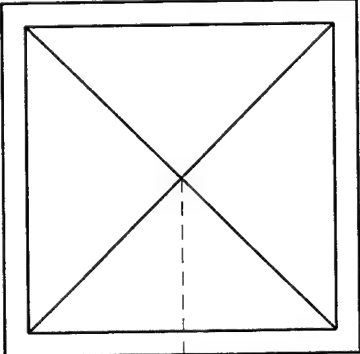
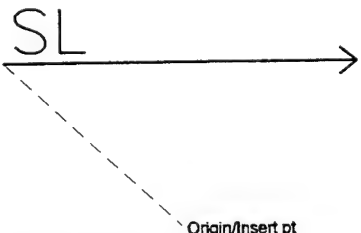
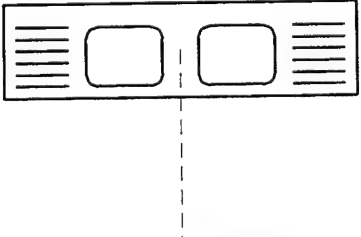
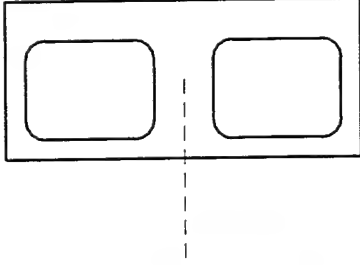
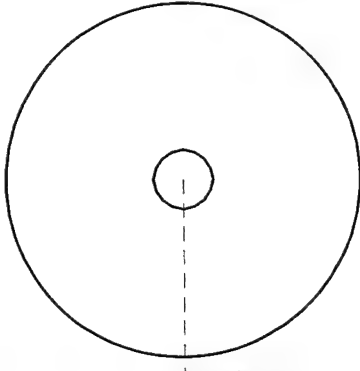
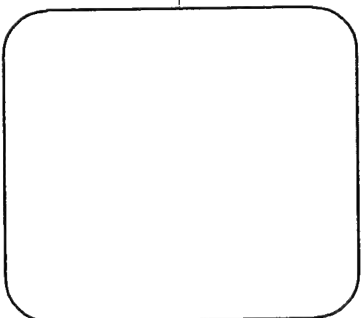
		
<p>Architectural: DSHWSH COMMERCIAL DISHWASHER Element type: Symbol</p>	<p>Architectural: EQPMID EQUIPMENT IDENTIFIER Element type: Symbol</p>	<p>Architectural: FASTEN FASTENER Element type: Symbol</p>
		
<p>Architectural: FLRRPL FLOORING RESILIENT PLSTC LAM Element type: Symbol</p>	<p>Architectural: FURCHH FURRING CHANNEL HAT Element type: Symbol</p>	<p>Architectural: FURCHN FURRING CHANNEL Element type: Symbol</p>
		
<p>Architectural: GLASLS LARGE SCALE GLASS Element type: Symbol</p>	<p>Architectural: GLASSS SMALL SCALE GLASS Element type: Symbol</p>	<p>Architectural: GLBLLS GLASS BLOCK LARGE SCALE Element type: Symbol</p>

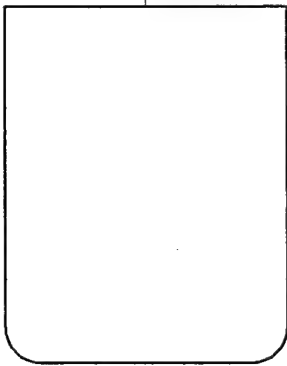
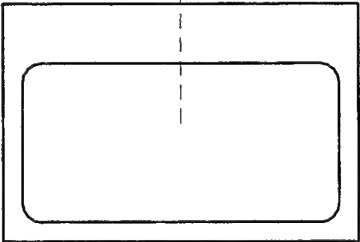

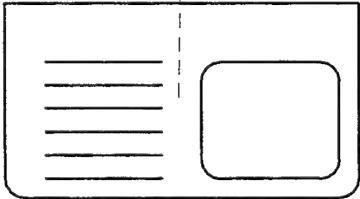
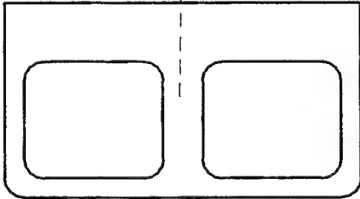
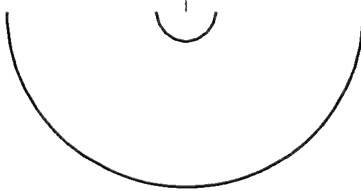
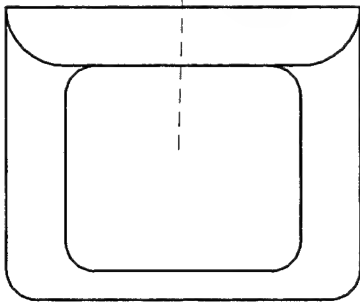
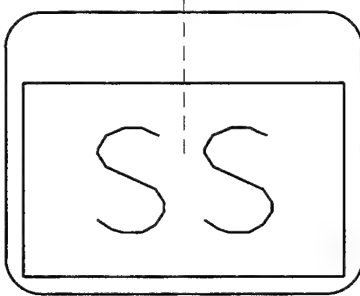
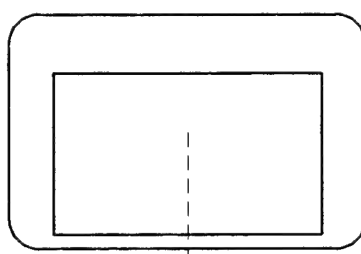
		
<p>Architectural:GLBLSS GLASS BLOCK SMALL SCALE Element type: Symbol</p>	<p>Architectural:GLELEV GLASS ELEVATION Element type: Symbol</p>	<p>Architectural:GPLANK GYPSUM PLANK Element type: Symbol</p>
		
<p>Architectural:GYPBLK GYPSUM BLOCK TILE Element type: Symbol</p>	<p>Architectural:GYPPOM GYPSUM PLASTER ON MASONRY Element type: Symbol</p>	<p>Architectural:GYPPPB GYPSUM PLASTER PARTICLE BR Element type: Symbol</p>
		
<p>Architectural:GYPSPP GYPSUMSOLIDPLASTERPARTITION Element type: Symbol</p>	<p>Architectural:GYPWBD GYPSUM WALLBOARD FINISHES Element type: Symbol</p>	<p>Architectural:INFBSS SMSCALE FLXBL BLANKET INSUL Element type: Symbol</p>

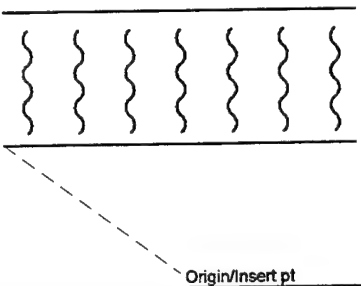

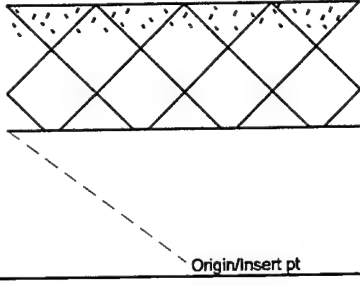
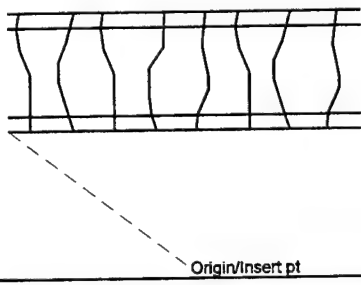
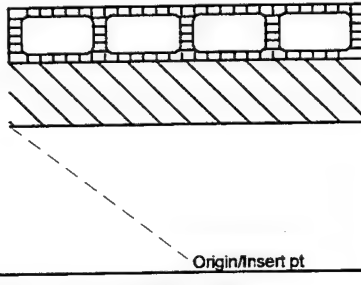
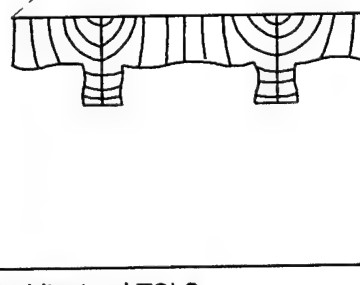
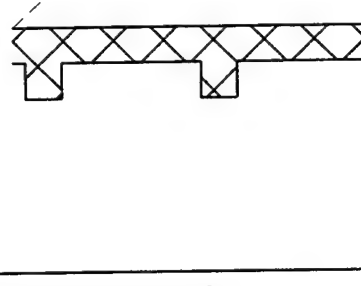
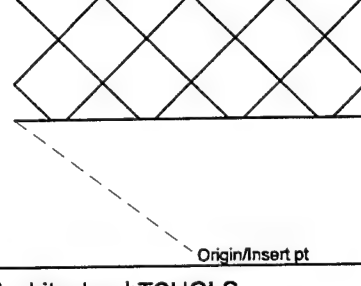
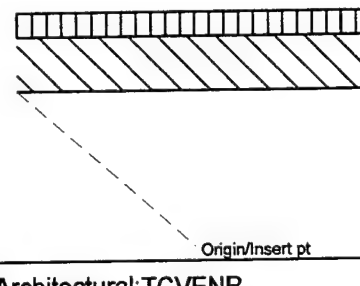
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural:INLFLS LRGSCALE LOOSE FILL INSULAT Element type: Symbol</p>	<p>Architectural:INS1RM INSUL REFLCTVE MTL ON 1 SDE Element type: Symbol</p>	<p>Architectural:INS2RM INSUL RFLCTVCRTN 2SDS SMSC Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural:INSFOM SPRAY FOAM INSULATION Element type: Symbol</p>	<p>Architectural:INSTND INSUL TYPE NOT DETER LRGSC Element type: Symbol</p>	<p>Architectural:LAVBCK BACK LAVATORY Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural:LAVCOR CORNER LAVATORY Element type: Symbol</p>	<p>Architectural:LAVCOU LAVATORY IN COUNTER Element type: Symbol</p>	<p>Architectural:LAVDNT DENTAL LAVATORY Element type: Symbol</p>

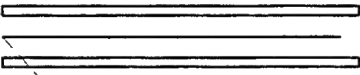
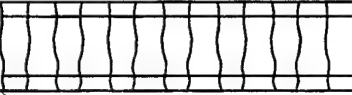
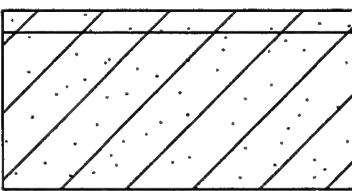
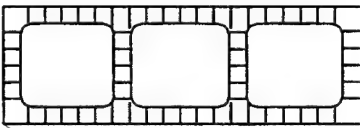
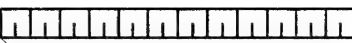

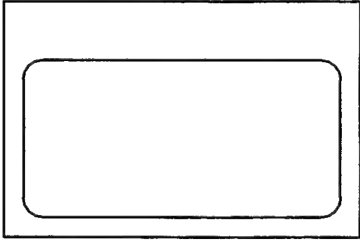
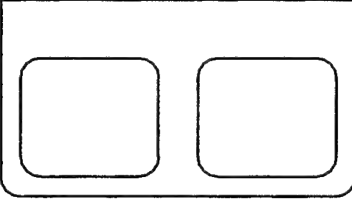
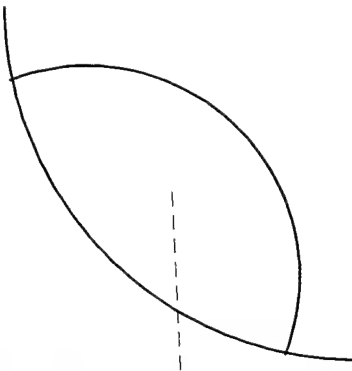
		
<p>Architectural: LAVHND HANDICAPPED LAVATORY Element type: Symbol</p>	<p>Architectural: LAVMDM MEDICAL MANICURE LAVATORY Element type: Symbol</p>	<p>Architectural: LAVSLB SLAB TYPE LAVATORY Element type: Symbol</p>
		
<p>Architectural: MTLLPL METAL LATH AND PLASTER Element type: Symbol</p>	<p>Architectural: MTLSTH METAL SHEET ALL METAL S SCALE Element type: Symbol</p>	<p>Architectural: ORISTB ORIENTED STRAND BOARD Element type: Symbol</p>
		
<p>Architectural: PARTBD PARTICLEBOARD Element type: Symbol</p>	<p>Architectural: PLASTC PLASTIC FINISHES Element type: Symbol</p>	<p>Architectural: PLPLLS LRGSCALE PLASTIC ON PLYWOOD Element type: Symbol</p>

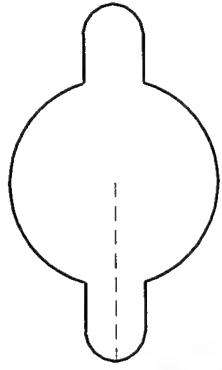
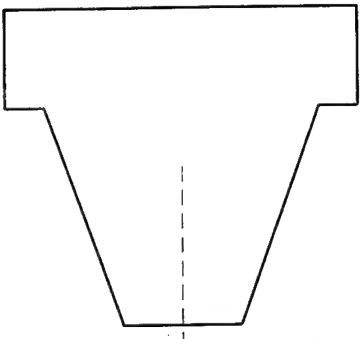
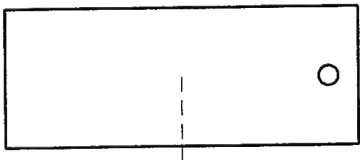
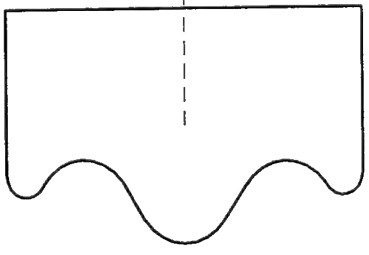
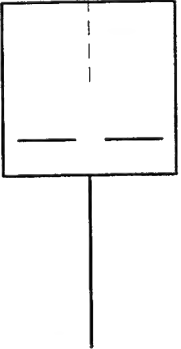
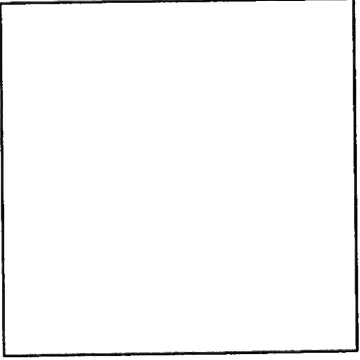
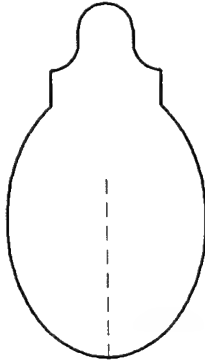
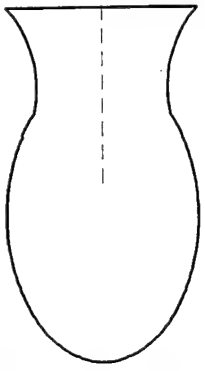
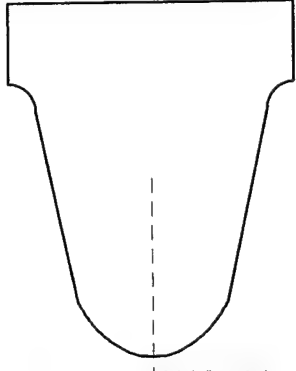
		
<p>Architectural: PLPLSS SMLSCALE PLASTIC ON PLYWOOD Element type: Symbol</p>	<p>Architectural: PLYWLS LARGE SCALE PLYWOOD Element type: Symbol</p>	<p>Architectural: PLYWSS SMALL SCALE PLYWOOD Element type: Symbol</p>
		
<p>Architectural: RBLILS RGD BRD INTRR INSUL LRGSC Element type: Symbol</p>	<p>Architectural: RBISLS INSUL RGD BRD ASSHTNG LRGSC Element type: Symbol</p>	<p>Architectural: ROOMID ROOM IDENTIFIER Element type: Symbol</p>
		
<p>Architectural: SDIRLD STAIR DIRECTION LINE DOWN Element type: Symbol</p>	<p>Architectural: SDIRLU STAIR DIRECTION LINE UP Element type: Symbol</p>	<p>Architectural: SHWRCO CORNER SHOWER Element type: Symbol</p>

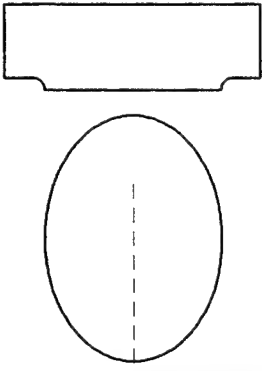
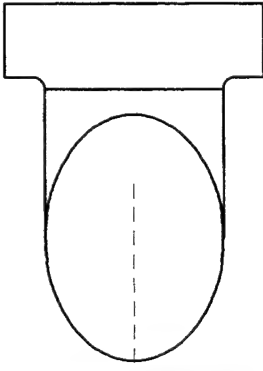
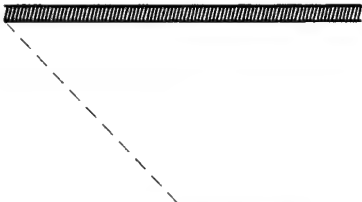
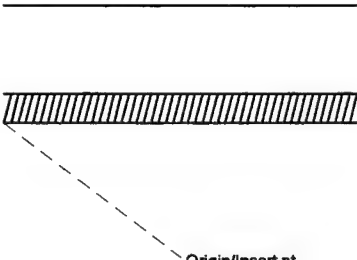
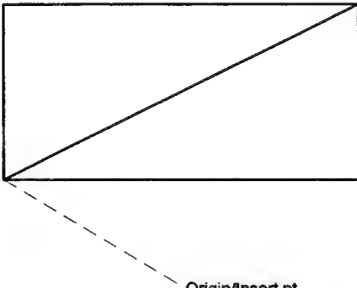
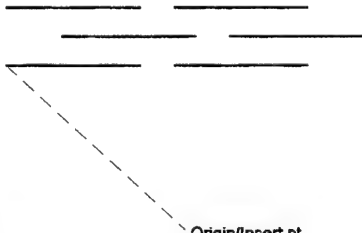
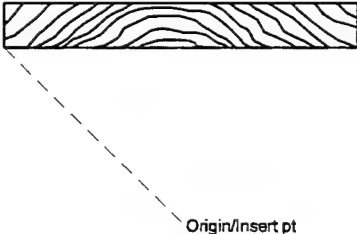
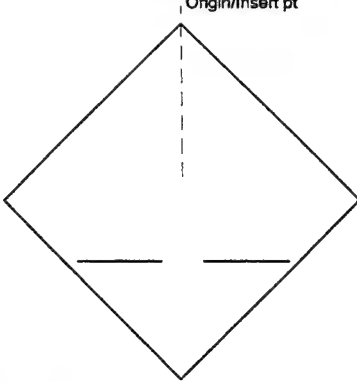
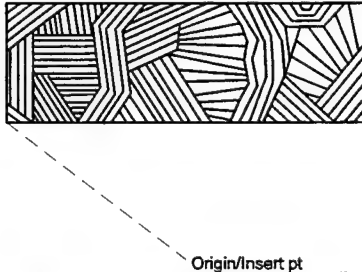
		
<p>Architectural: SHWRHD SHOWER HEAD Element type: Symbol</p>	<p>Architectural: SHWROG SHOWER OVERHEAD GANG Element type: Symbol</p>	<p>Architectural: SHWRPG SHOWER PEDESTAL GANG Element type: Symbol</p>
		
<p>Architectural: SHWRST SHOWER STALL Element type: Symbol</p>	<p>Architectural: SLOPE DIRECTION OF LINE SLOPE Element type: Symbol</p>	<p>Architectural: SNK2BD DBLE SINK W DRAINBOARDS Element type: Symbol</p>
		
<p>Architectural: SNK2CT SINK TWO COMPARTMENT TYPE Element type: Symbol</p>	<p>Architectural: SNKCWT CIRCULAR WASH TYPE SINK Element type: Symbol</p>	<p>Architectural: SNKDSP SINK DISPOSER Element type: Symbol</p>

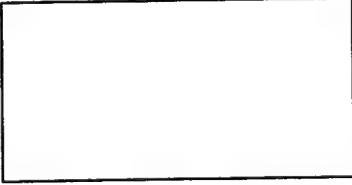
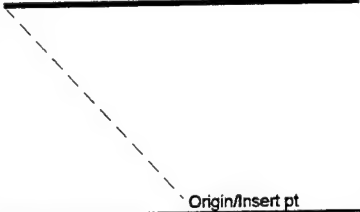
		
<p>Architectural: SNKFRC FLUSHING RIM CLINICAL SINK Element type: Symbol</p>	<p>Architectural: SNKGEN GENERAL SINK Element type: Symbol</p>	<p>Architectural: SNKKLR KITCH SNK WL AND R DRAIN BD Element type: Symbol</p>
		
<p>Architectural: SNKLDB SINK W LEFT DRAINBOARD Element type: Symbol</p>	<p>Architectural: SNKLTR SINK LAUNDRY TRAY Element type: Symbol</p>	<p>Architectural: SNKSCW SEMICIRULAR WASH SINK Element type: Symbol</p>
		
<p>Architectural: SNKSLP SLOP TYPE SINK Element type: Symbol</p>	<p>Architectural: SNKSRV SERVICE SINK Element type: Symbol</p>	<p>Architectural: SNKSSC SURGEON SCRUB SINK Element type: Symbol</p>

		
<p>Architectural:STLCSS STRUCTURAL CLAY TILE SM SCL Element type: Symbol</p>	<p>Architectural:SUSPNT SUSPENSION TEE Element type: Symbol</p>	<p>Architectural:TC1FLS TERACOTA GLZD1FACE LRGSCALE Element type: Symbol</p>
		
<p>Architectural:TC2FSS TERACOTA GLZD2FACES SMSCALE Element type: Symbol</p>	<p>Architectural:TCHOLW HOLLOW TERRA COTTA Element type: Symbol</p>	<p>Architectural:TCLS LARGE SCALE TERRA COTTA Element type: Symbol</p>
		
<p>Architectural:TCQLS TERA COTA QUARRY LRGSCALE Element type: Symbol</p>	<p>Architectural:TCUGLS TERACOTA UNGLAZED LRGSCALE Element type: Symbol</p>	<p>Architectural:TCVENR VENEER TERRA COTTA Element type: Symbol</p>

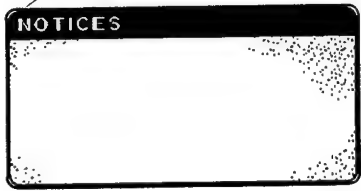
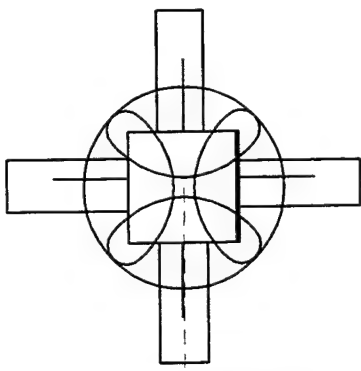
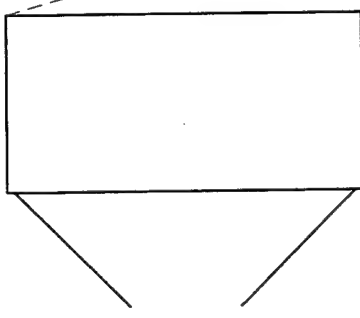
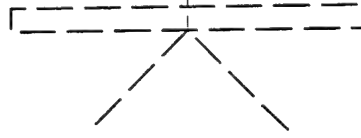
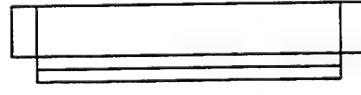
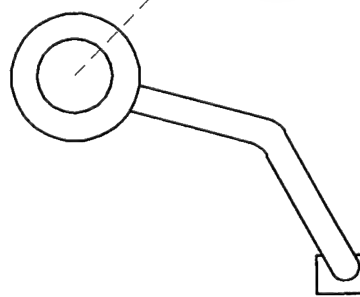
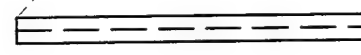

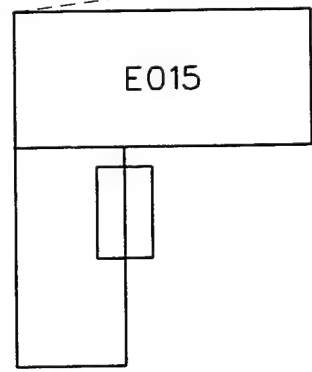
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural: THRSHD THRESHOLD Element type: Symbol</p>	<p>Architectural: TILFSS SMALL SCALE TILE FACING Element type: Symbol</p>	<p>Architectural: TILGSC GLZESTRUCTURAL CLAY TILE MAS Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural: TILSFU TILE STRUCTURAL FLOOR UNITS Element type: Symbol</p>	<p>Architectural: TLACOU ACOUSTICAL TILE FINISH Element type: Symbol</p>	<p>Architectural: TLCRLS CERAMICTILE FINISH LRGSCALE Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural: TRAY1L SINGLE LAUNDRY TRAY Element type: Symbol</p>	<p>Architectural: TRAY2L DOUBLE LAUNDRY TRAYS Element type: Symbol</p>	<p>Architectural: URNLCO CORNER TYPE URINAL Element type: Symbol</p>

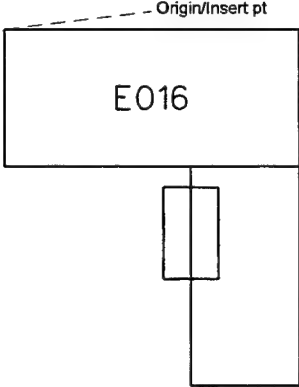
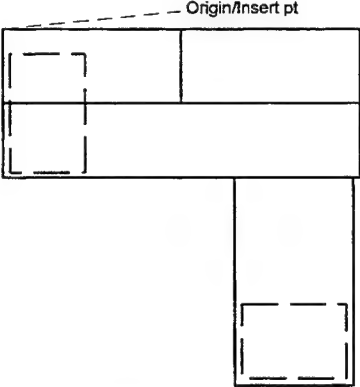
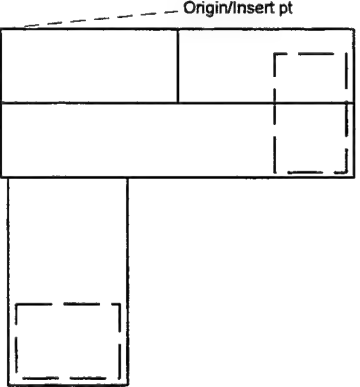
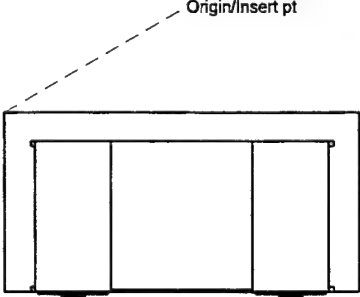
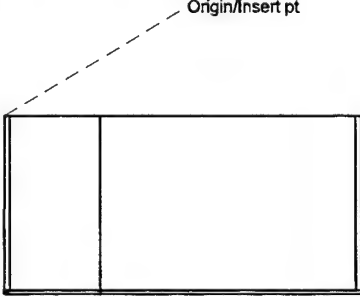
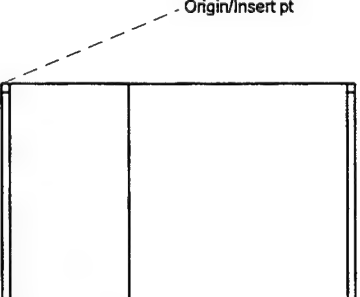
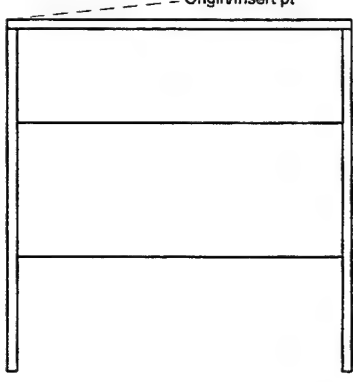
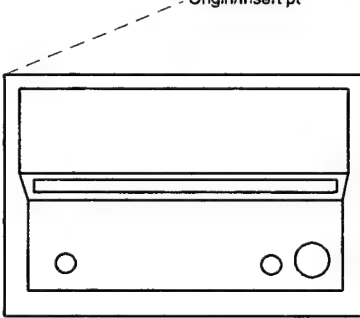
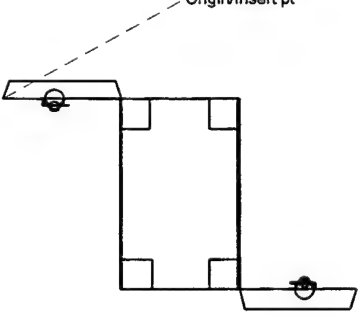
		
<p>Architectural:URNLPD PEDESTAL TYPE URINAL Element type: Symbol</p>	<p>Architectural:URNLST URINAL STALL Element type: Symbol</p>	<p>Architectural:URNLTR TROUGH TYPE URINAL Element type: Symbol</p>
		
<p>Architectural:URNLWH WALL HUNG URINAL Element type: Symbol</p>	<p>Architectural:WALLID WALL TYPE IDENTIFIER Element type: Symbol</p>	<p>Architectural:WCELWH ELEC WALLHUNG WATER COOLER Element type: Symbol</p>
		
<p>Architectural:WCFVFO F.V. FLR OUTLET WATERCLOSET Element type: Symbol</p>	<p>Architectural:WCFVWH F.V. WALL HUNG WATERCLOSET Element type: Symbol</p>	<p>Architectural:WCITNK INTEGRAL TANK WATERCLOSET Element type: Symbol</p>

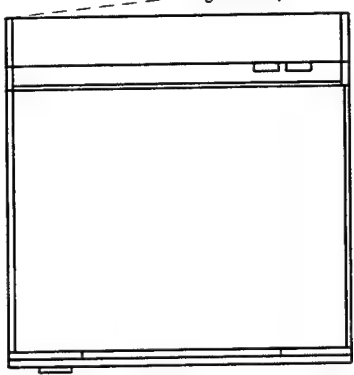
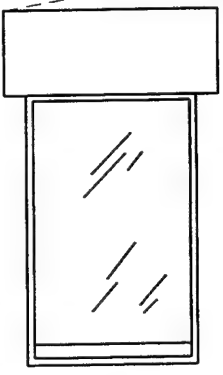
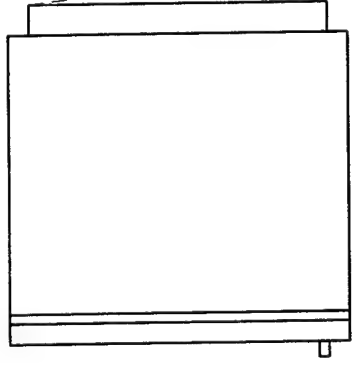
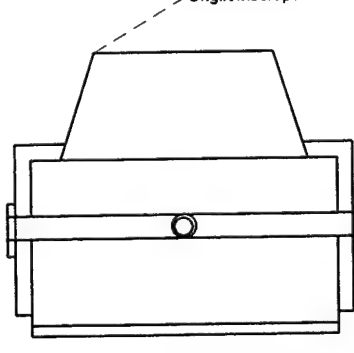
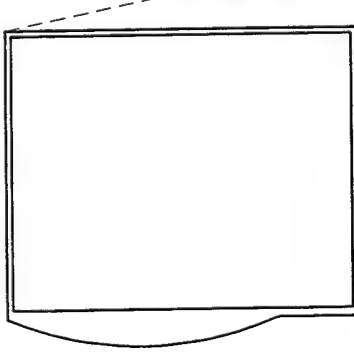
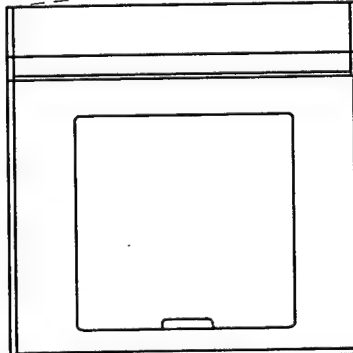
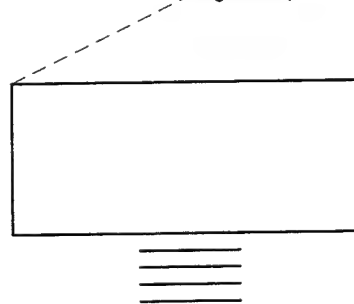
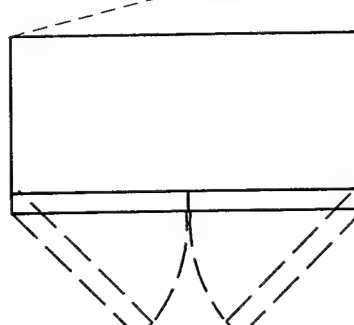
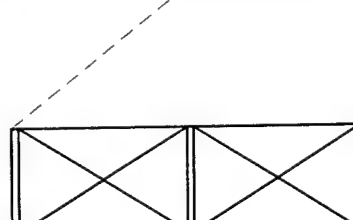
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural:WCTANK TANK TYPE WATERCLOSET Element type: Symbol</p>	<p>Architectural:WCWHTN WALL HUNG TANK WATERCLOSET Element type: Symbol</p>	<p>Architectural:WDFLBD WOOD FLOOR BOARD Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural:WDFNOS WOOD FINISH ON STUDS Element type: Symbol</p>	<p>Architectural:WDFRAM CONTINUOUS WOOD FRAMING Element type: Symbol</p>	<p>Architectural:WDSHSD WOOD SHINGLES SIDING Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Architectural:WFINSH WOOD FINISH Element type: Symbol</p>	<p>Architectural:WINID WINDOW IDENTIFIER Element type: Symbol</p>	<p>Architectural:WOODHB HARDBOARD WOOD Element type: Symbol</p>

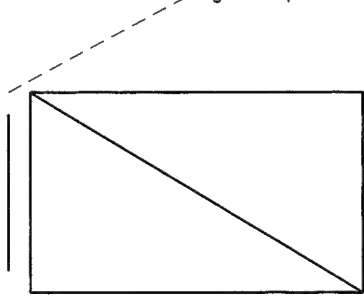
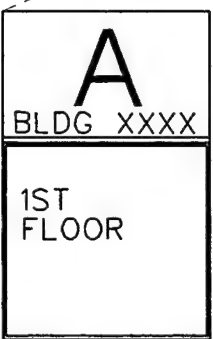
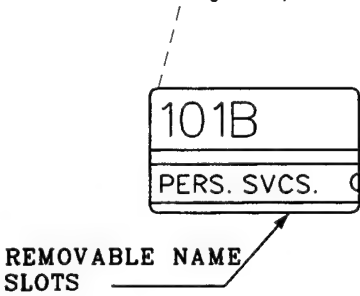
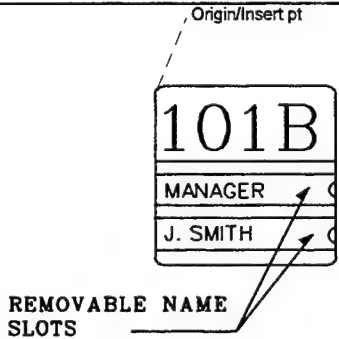

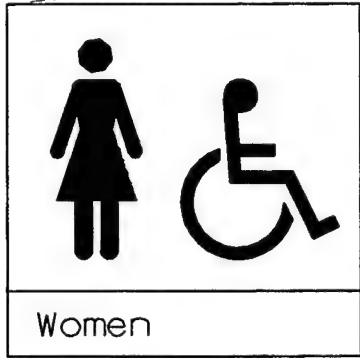
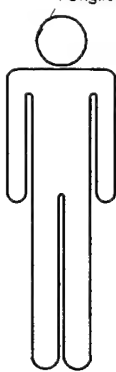
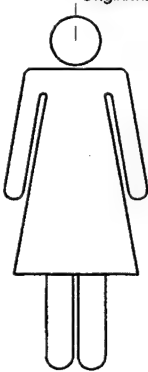
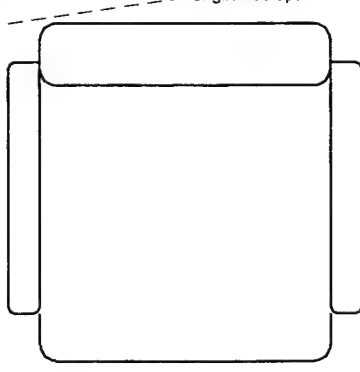
	
<p>Architectural: WSHRBP BEDPAN WASHER Element type: Symbol</p>	<p>Architectural: WTRPFF WATERPROOFING FELT FLASHING Element type: Symbol</p>

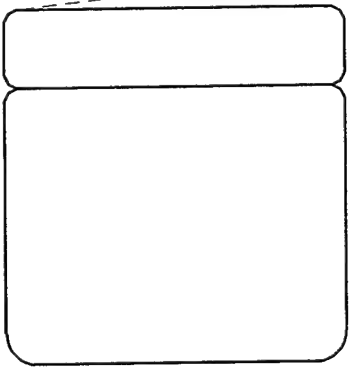
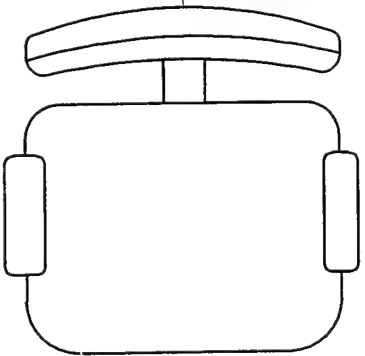
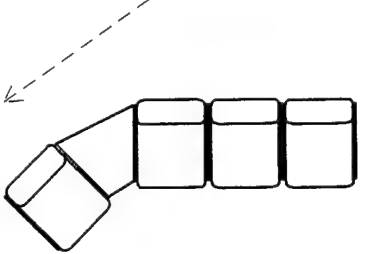
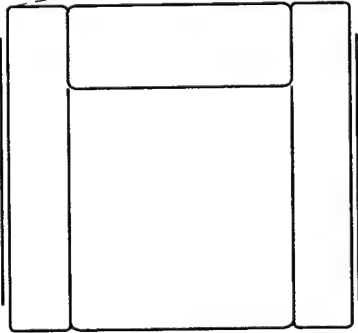
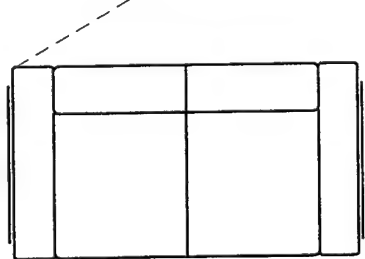
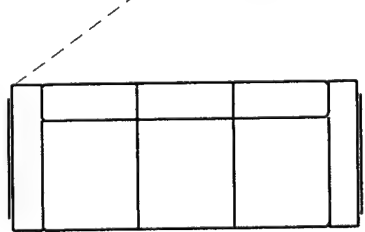
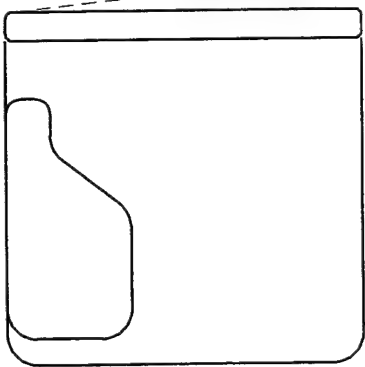
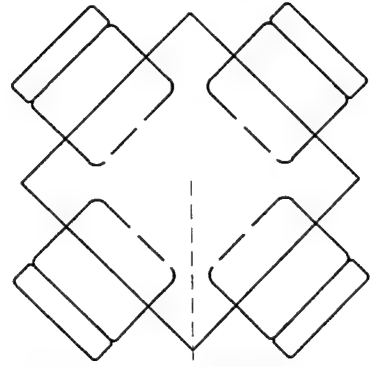

9 Interiors Objects Library

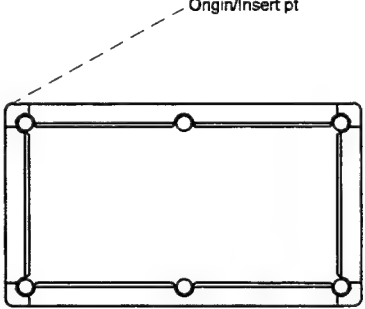
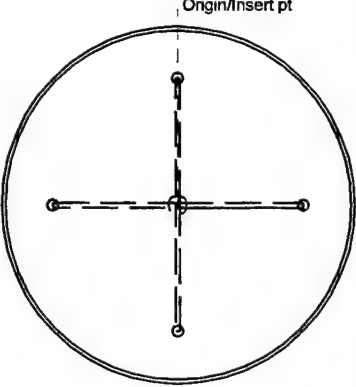
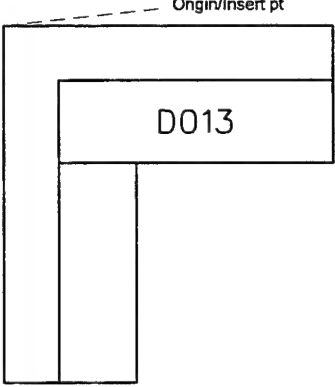
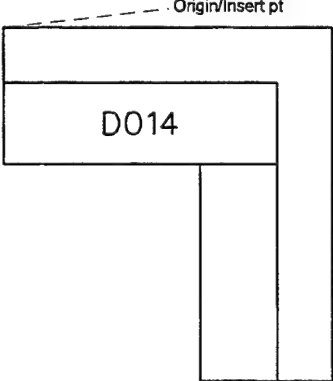
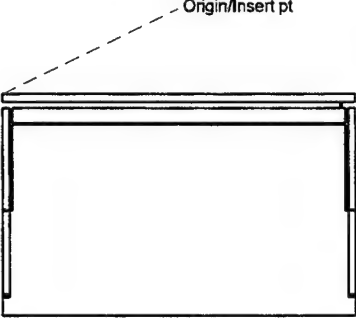
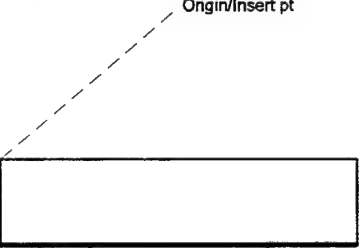
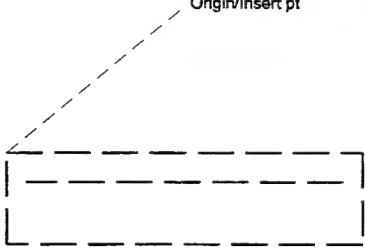

 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Interiors: ABLBD BULLETIN BOARD Element type: Object</p>	<p>Interiors: ACOSTM COSTUMER Element type: Object</p>	<p>Interiors: ADDCAB DOUBLE DOOR CABINET Element type: Object</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Interiors: AEAS30 EASEL 30W HIDDEN Element type: Object</p>	<p>Interiors: AMAG15 MAGAZINE RACK 15W X 3D Element type: Object</p>	<p>Interiors: AMAGLT MAGNIFYING LIGHT Element type: Object</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Interiors: APRJSC PROJECTION SCRIN CEILNG MNTD Element type: Object</p>	<p>Interiors: ASTCAB STORAGE CABINET Element type: Object</p>	<p>Interiors: D65CLR DESK 65 COMP LR Element type: Object</p>

		
<p>Interiors: D65CRR DESK 65 COMP RR Element type: Object</p>	<p>Interiors: D7230L LH SNGL PED DESK 72W X 30D2 Element type: Object</p>	<p>Interiors: D7230R RH SNGL PED DESK 72W X 30D2 Element type: Object</p>
		
<p>Interiors: DPFF DESK DOUBLE FILE PEDESTAL Element type: Object</p>	<p>Interiors: DPFL DESK LEFT PEDESTAL Element type: Object</p>	<p>Interiors: DPFR DESK RETURN PEDESTAL FILE Element type: Object</p>
		
<p>Interiors: DSC1 DESK STUDY CARREL SINGLE Element type: Object</p>	<p>Interiors: ECGAME FREESTANDING COMPUTER GAME Element type: Object</p>	<p>Interiors: ECOMCN COMSEC CONTAINER Element type: Object</p>

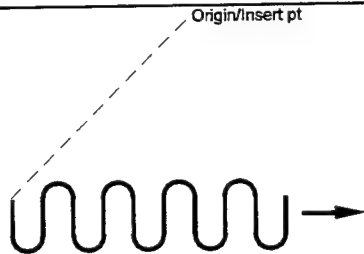
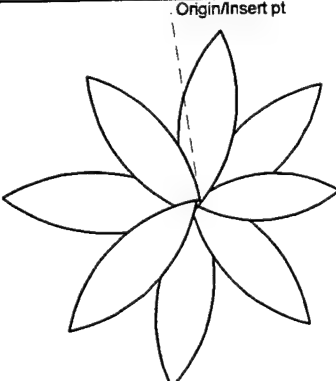
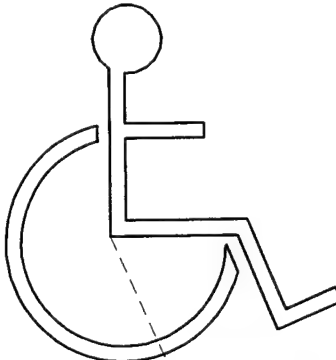
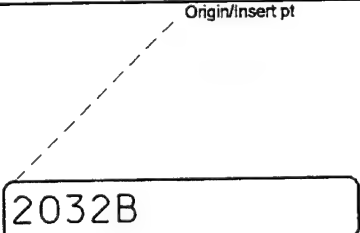
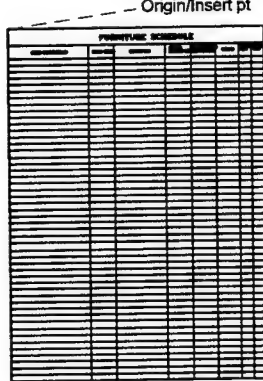
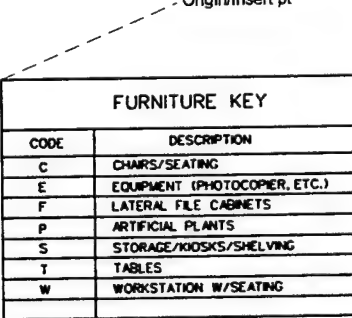
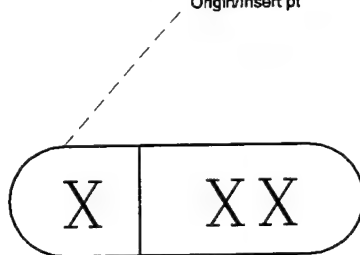
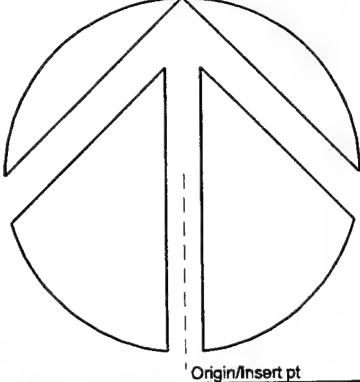
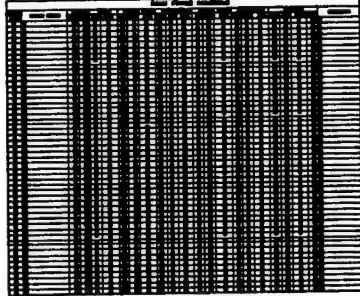
		
<p>Interiors:EDRYER DRYER Element type: Object</p>	<p>Interiors:EPINBL PINBALL MACHINE Element type: Object</p>	<p>Interiors:ERFRG REFRIGERATOR Element type: Object</p>
		
<p>Interiors:ETV TELEVISION Element type: Object</p>	<p>Interiors:EVEND VENDING MACHINE Element type: Object</p>	<p>Interiors:EWASHM WASHING MACHINE Element type: Object</p>
		
<p>Interiors:F4DL LATERAL FILE CABINET 4 DRAW Element type: Object</p>	<p>Interiors:FC3618 STORAGE CABINET 36W X 18D Element type: Object</p>	<p>Interiors:FE7422 EQUIP SHELUNG 74WX22D BRRKS Element type: Object</p>

		
<p>Interiors: FV1833 VERTICAL FILE 18W X 33D Element type: Object</p>	<p>Interiors: GIDIR DIRECTORY Element type: Object</p>	<p>Interiors: GIIS1 IDENT SIGN WITH 1 SLOT Element type: Object</p>
		
<p>Interiors: GIIS2 IDENT SIGN WITH 2 SLOTS Element type: Object</p>	<p>Interiors: GIPIC1 PICTOGRAM1 Element type: Object</p>	<p>Interiors: GIPIC2 PICTOGRAM 2 Element type: Object</p>
		
<p>Interiors: GMAN MAN SYM FR RESTROOM SIGNAGE Element type: Object</p>	<p>Interiors: GWOMAN WOMAN SYMFOR RESTRM SGNAGE Element type: Object</p>	<p>Interiors: SDMG MGMNT CHAIR W ARMS 24WX22D Element type: Object</p>

		
<p>Interiors: SDSEC SECTRL CHR NO ARMS 23WX22D Element type: Object</p>	<p>Interiors: SDTASK TASK CHAIR Element type: Object</p>	<p>Interiors: SGANG GANG SEATING W TABLE Element type: Object</p>
		
<p>Interiors: SSOF37 SOFA CHAIR 37W X 34D Element type: Object</p>	<p>Interiors: SSOF63 2 CUSHION SOFA 63W X 34D Element type: Object</p>	<p>Interiors: SSOF82 3 CUSHION SOFA 82.5W X 34D Element type: Object</p>
		
<p>Interiors: STAB24 CHAIR TABLET ARM 24W X 24D Element type: Object</p>	<p>Interiors: T42SQ TABLE 42SQ W ARMLESS CHR Element type: Object</p>	<p>Interiors: TMS30 MAILSORT TBLE 160H SLOTS30W Element type: Object</p>

		
<p>Interiors: TPOOL POOL TABLE Element type: Object</p>	<p>Interiors: TROUND ROUND TABLE Element type: Object</p>	<p>Interiors: W7230L WORKSTATION L UNIT LR Element type: Object</p>
		
<p>Interiors: W7230R WORKSTATION L UNIT RR Element type: Object</p>	<p>Interiors: WCPDSK DESK COMPUTER Element type: Object</p>	<p>Interiors: WFLIPR FLIPPER DOOR UNIT Element type: Object</p>
		
<p>Interiors: WLIGHT WORKSTATION LIGHT Element type: Object</p>	<p>Interiors: WPED WORKSTATION PEDESTAL Element type: Object</p>	


9 Interiors Symbols Library

																				
Interiors: ACURTN CURTAIN Element type: Symbol	Interiors: APLANT ARTIFICIAL PLANT Element type: Symbol	Interiors: GHNDCP UNIVERSAL HANDICAP SYMBOL Element type: Symbol																		
		 <table><tr><th colspan="2">FURNITURE KEY</th></tr><tr><th>CODE</th><th>DESCRIPTION</th></tr><tr><td>C</td><td>CHAIRS/SEATING</td></tr><tr><td>E</td><td>EQUIPMENT (PHOTOCOPIER, ETC.)</td></tr><tr><td>F</td><td>LATERAL FILE CABINETS</td></tr><tr><td>P</td><td>ARTIFICIAL PLANTS</td></tr><tr><td>S</td><td>STORAGE/KIOSKS/SHELVING</td></tr><tr><td>T</td><td>TABLES</td></tr><tr><td>W</td><td>WORKSTATION W/SEATING</td></tr></table>	FURNITURE KEY		CODE	DESCRIPTION	C	CHAIRS/SEATING	E	EQUIPMENT (PHOTOCOPIER, ETC.)	F	LATERAL FILE CABINETS	P	ARTIFICIAL PLANTS	S	STORAGE/KIOSKS/SHELVING	T	TABLES	W	WORKSTATION W/SEATING
FURNITURE KEY																				
CODE	DESCRIPTION																			
C	CHAIRS/SEATING																			
E	EQUIPMENT (PHOTOCOPIER, ETC.)																			
F	LATERAL FILE CABINETS																			
P	ARTIFICIAL PLANTS																			
S	STORAGE/KIOSKS/SHELVING																			
T	TABLES																			
W	WORKSTATION W/SEATING																			
Interiors: GIID IDENTIFICATION SIGN Element type: Symbol	Interiors: MFMATL FURNITURE MATERIAL LIST Element type: Symbol	Interiors: MFSCHD FURNITURE SCHEDULE Element type: Symbol																		
																				
Interiors: MFSYMB FURNITURE SYMBOL Element type: Symbol	Interiors: MNORTH NORTH ARROW Element type: Symbol	Interiors: MRSCHD ROOM FINISH SCHEDULE Element type: Symbol																		


-- Origin/Insert pt

LEGEND	
TYPE	DESCRIPTION
A	DIRECTIONALS
B1	IDENTIFICATION
B2	ROOM OCCUPANT SIGN
B3	IDENTIFICATION - SERVICE
C	SERVICE PICTOGRAMS
D	EXTERIOR - ENTRANCE
E	EXTERIOR - EXIT

NUMBER



SIGN TYPE




SEE SPECIFICATION 10430
AND 10440

Interiors: MSSCHD

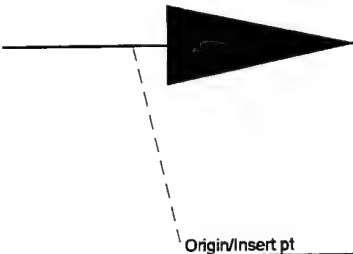
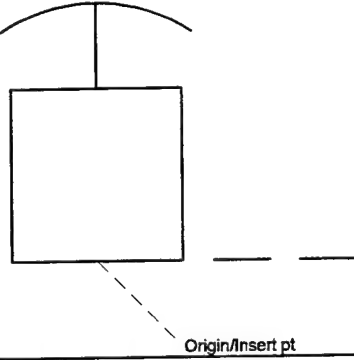
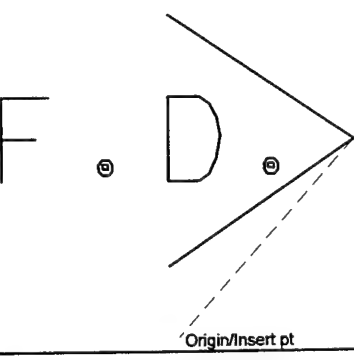
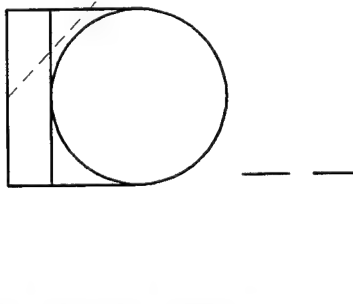
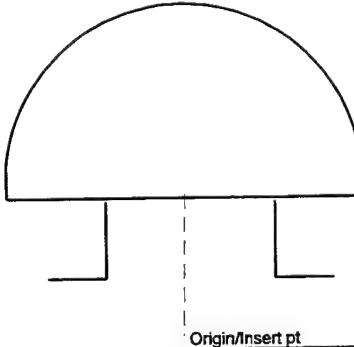
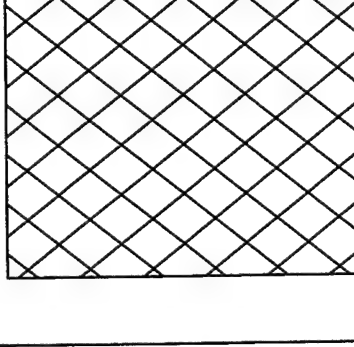
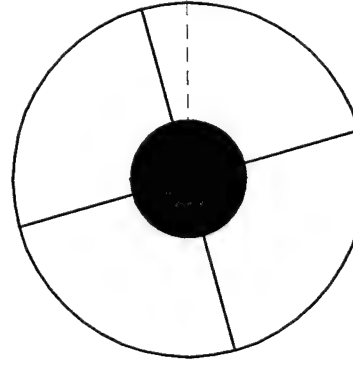
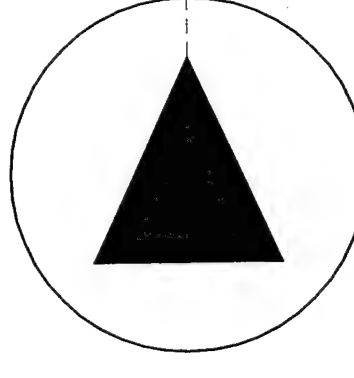
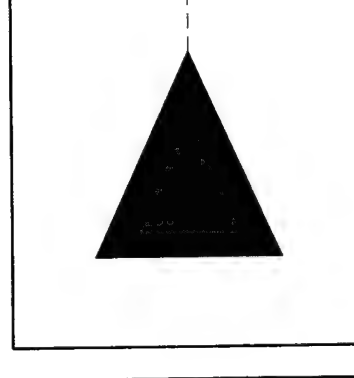
SIGNAGE SCHEDULE

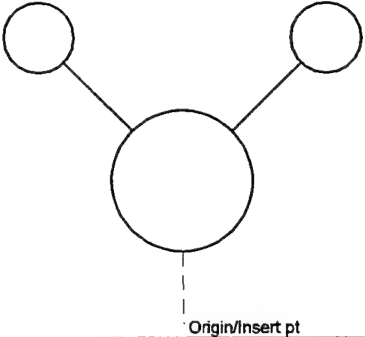
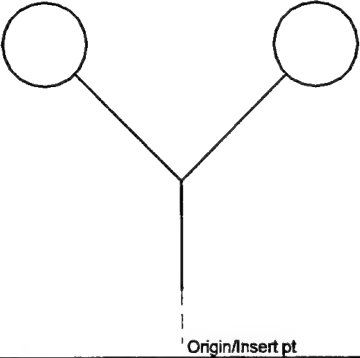
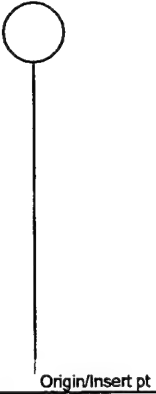
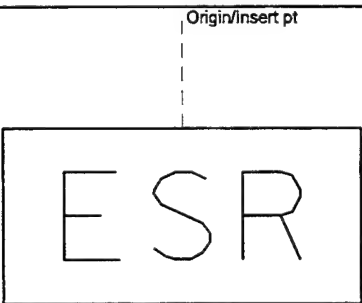
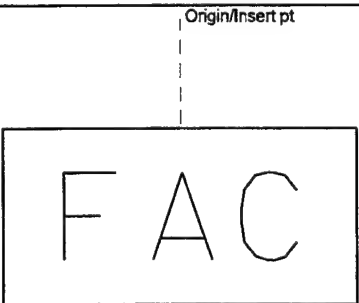
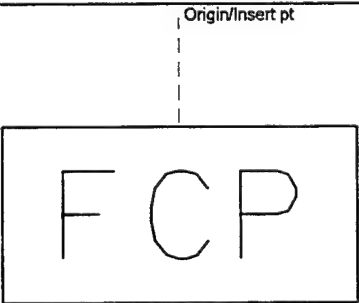
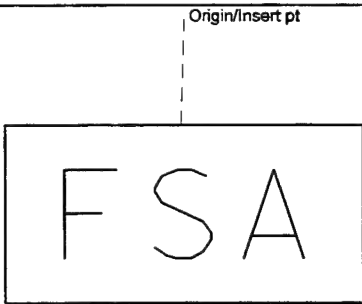
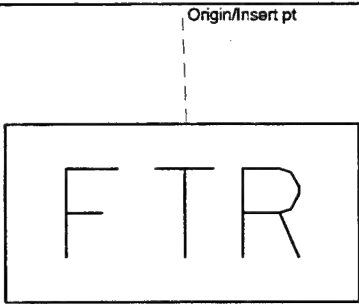
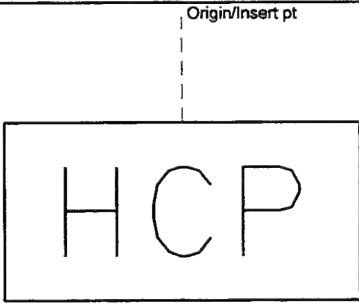
Element type: Symbol


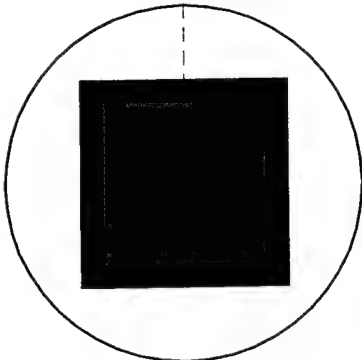
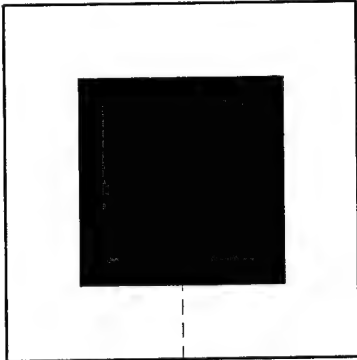
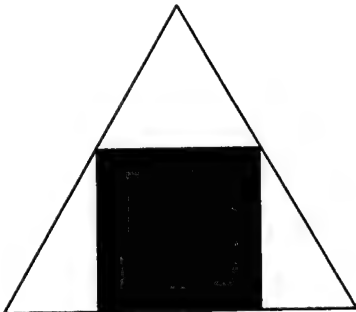
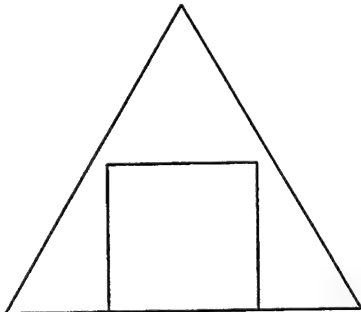
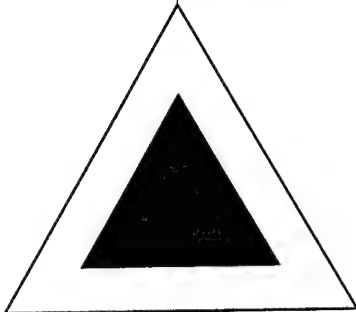
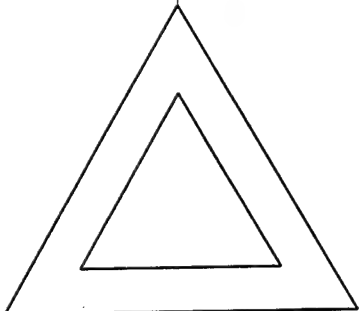
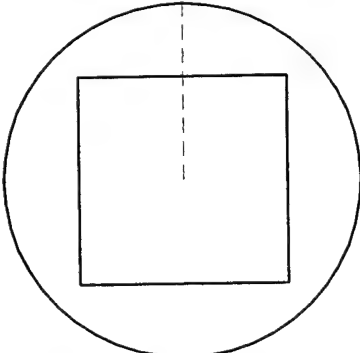
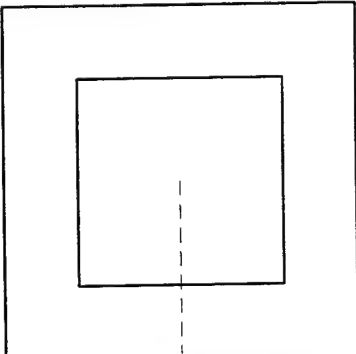
10 Fire Protection Lines Library

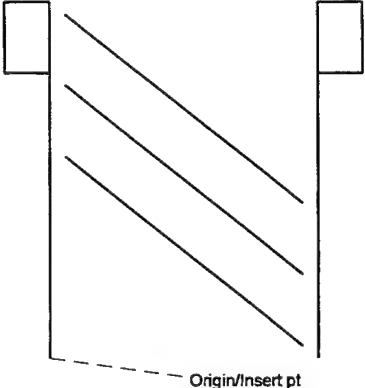
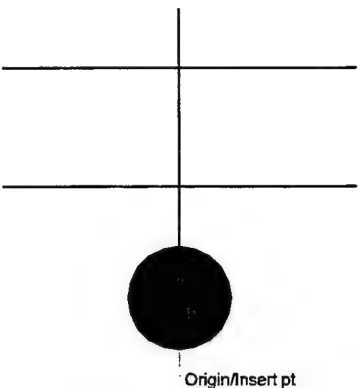
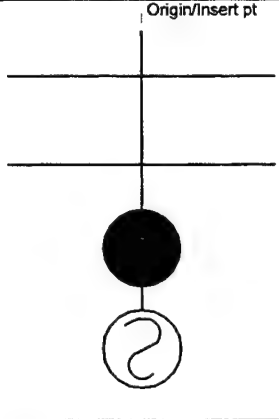
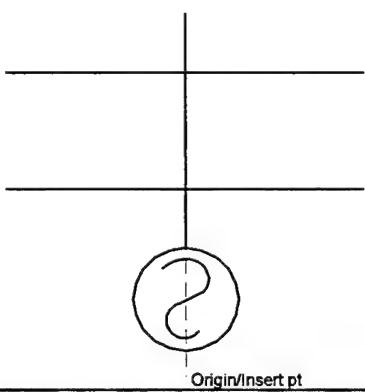
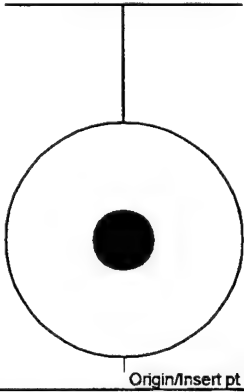
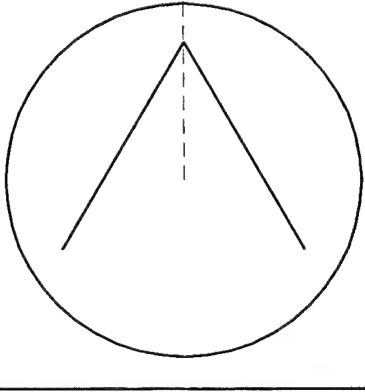
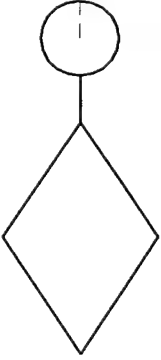
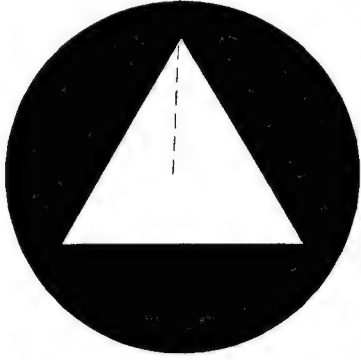
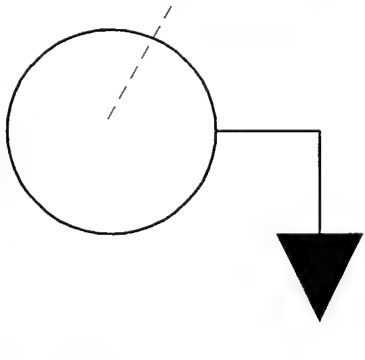
<p>———— F ————</p>		<p>———— S ————</p>
<p>Fire Protection: FIRE FIRE PROTECTION WATR SUPPLY Element type: Line</p>	<p>Fire Protection: MANSUC SUCTION MAIN Element type: Line</p>	<p>Fire Protection: SPRINK MAIN SUPPLY SPRINKLER Element type: Line</p>
<p>———— C S P ————</p>	<p>———— D S P ————</p>	<p>———— W S P ————</p>
<p>Fire Protection: STDCOM COMBINATION STANDPIPE Element type: Line</p>	<p>Fire Protection: STDDRY DRY STANDPIPE Element type: Line</p>	<p>Fire Protection: STDWET WET STANDPIPE Element type: Line</p>


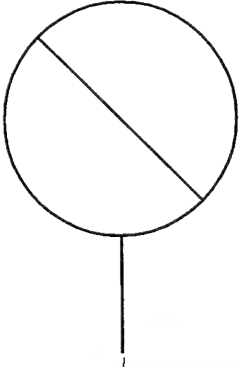
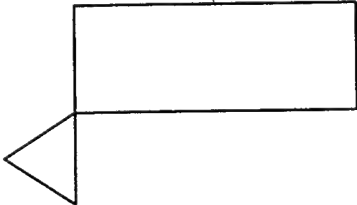
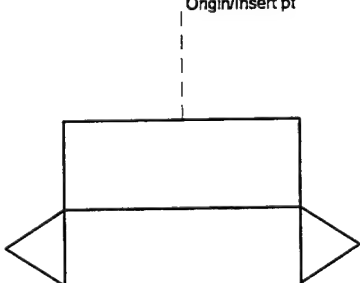
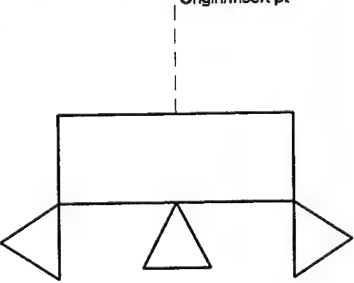
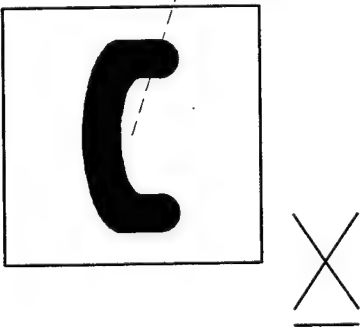
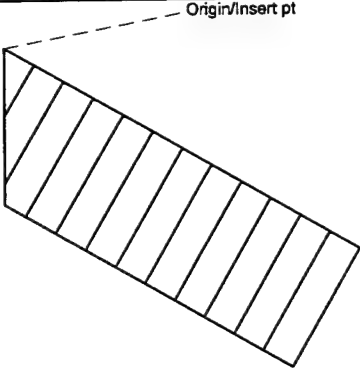
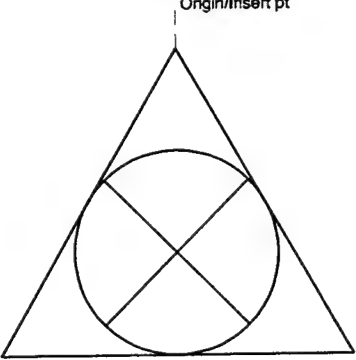
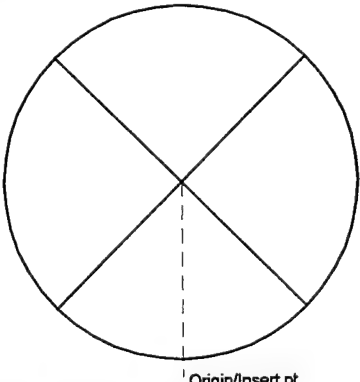
10 Fire Protection Symbols Library

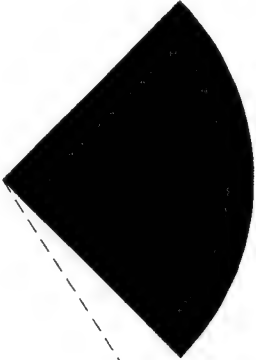
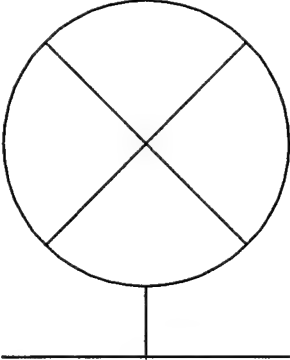
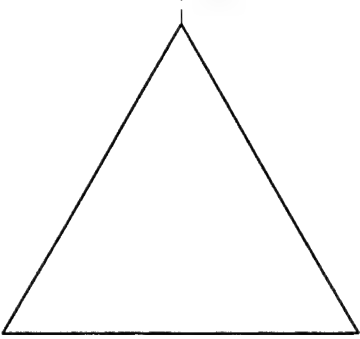
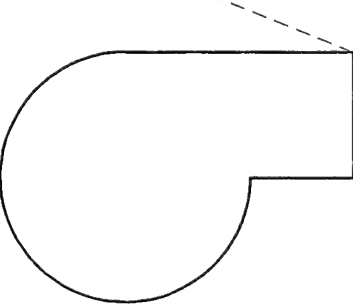
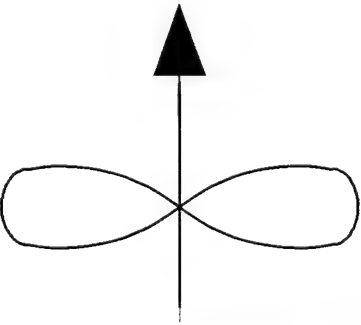
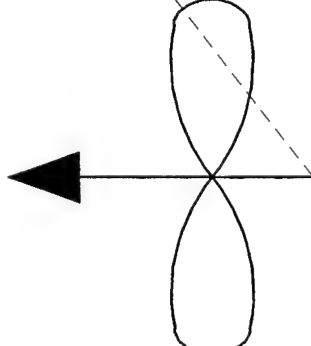
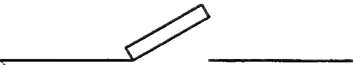


		
<p>Fire Protection: 1DIR DIRECTION ARROW Element type: Symbol</p>	<p>Fire Protection: ABORT ABORT SWITCH Element type: Symbol</p>	<p>Fire Protection: ACCESS FIRE DEPARTMENT ACCESS Element type: Symbol</p>
		
<p>Fire Protection: AGSTCN AGENT STORAGE CONTAINER Element type: Symbol</p>	<p>Fire Protection: BELLFA FIRE ALARM BELL Element type: Symbol</p>	<p>Fire Protection: BOILER BOILER Element type: Symbol</p>
		
<p>Fire Protection: CHIMNY CHIMNEY Element type: Symbol</p>	<p>Fire Protection: CO2AA C02 AUTO ACTUATED EXNGSHR Element type: Symbol</p>	<p>Fire Protection: CO2MA C02 MAN ACTUATED EXNGSHR Element type: Symbol</p>

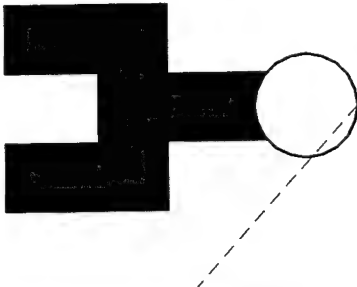
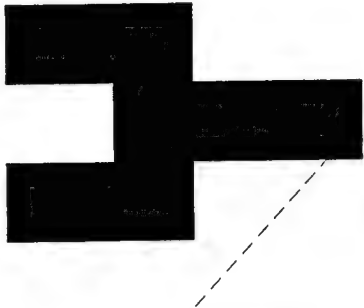
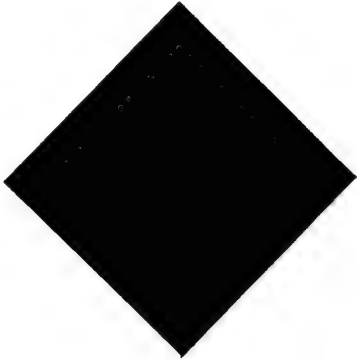
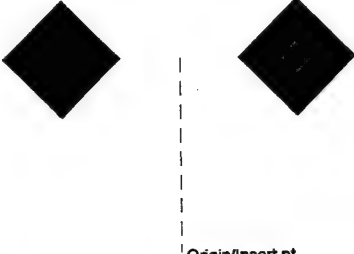
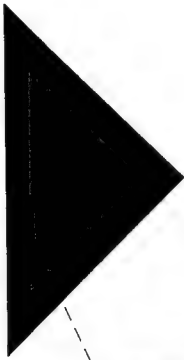
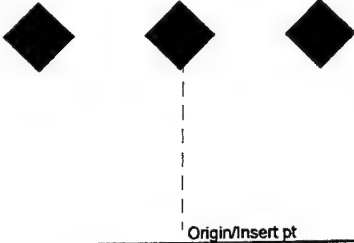
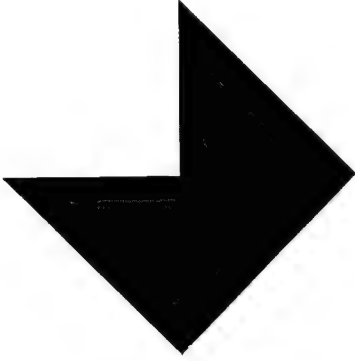
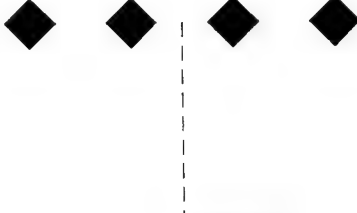
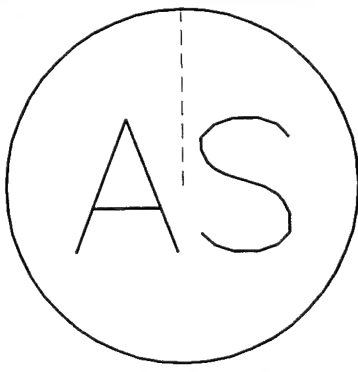
		
<p>Fire Protection:CONSFS FREESTNDNG SIAMESE F.D. CON Element type: Symbol</p>	<p>Fire Protection:CONSLA SIAMESE FIRE DPT CONNECTION Element type: Symbol</p>	<p>Fire Protection:CONSLG SINGLE FIRE DPT. CONNECTION Element type: Symbol</p>
<p>Origin/Insert pt</p> 	<p>Origin/Insert pt</p> 	<p>Origin/Insert pt</p> 
<p>Fire Protection:CPESR ELEVATOR STATUS RECALL Element type: Symbol</p>	<p>Fire Protection:CPFAC FIRE AL COMMUNICATOR Element type: Symbol</p>	<p>Fire Protection:CPFCEP F A CONTROL PANEL Element type: Symbol</p>
<p>Origin/Insert pt</p> 	<p>Origin/Insert pt</p> 	<p>Origin/Insert pt</p> 
<p>Fire Protection:CPFSA F A FIRE SYS ANNUNCIATOR Element type: Symbol</p>	<p>Fire Protection:CPFTR F A TRANSMITTER Element type: Symbol</p>	<p>Fire Protection:CPHCP HALON CONTROL PANEL Element type: Symbol</p>

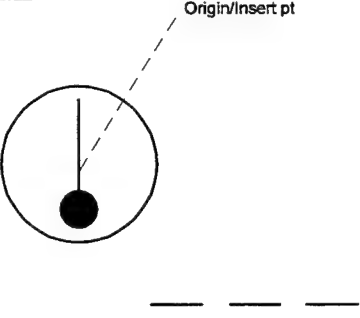
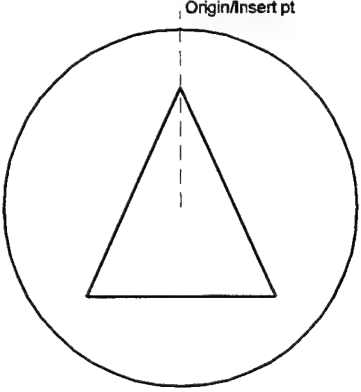
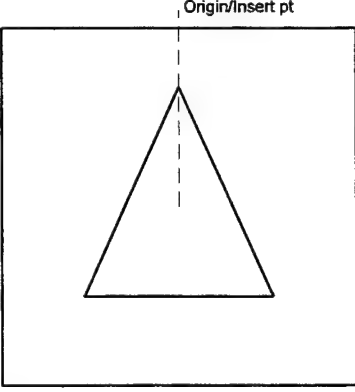
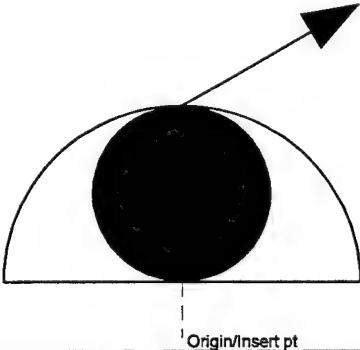
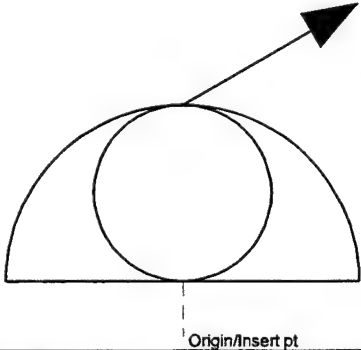
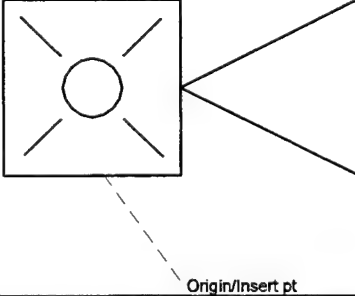
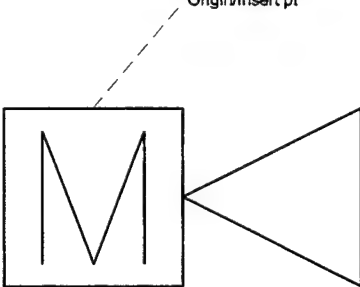
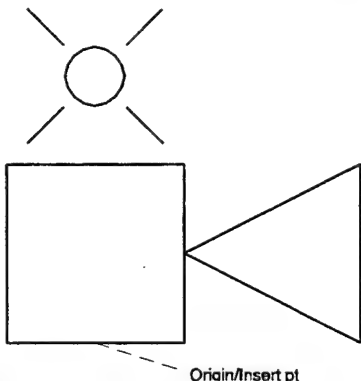
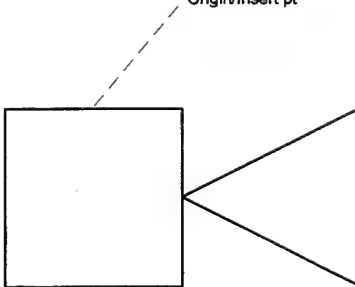
		
Fire Protection:CPHVA CONTROL PANEL HVAC Element type: Symbol	Fire Protection:DCATAA ALLTYPE FIREEXTNGSHRAUTOACT Element type: Symbol	Fire Protection:DCATMA ALLTYPE FIREEXTNGSHR MANACT Element type: Symbol
		
Fire Protection:DCEABC DRY CHEM EXTNGSHR ABC TYPE Element type: Symbol	Fire Protection:DCEBC DRY CHEM EXTNGUISHR BC TYPE Element type: Symbol	Fire Protection:DCECO2 CO2 EXTINGUISHER Element type: Symbol
		
Fire Protection:DCEHLN HALON OR CLEANAGENTEXTNGSHR Element type: Symbol	Fire Protection:DCLGAA DRY CHEM AUTO ACT EXTNGSHR Element type: Symbol	Fire Protection:DCLGMA DRY CHEM MAN ACTUATED Element type: Symbol

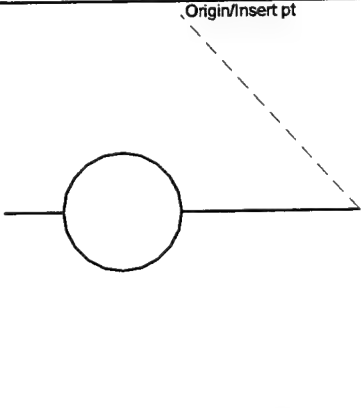
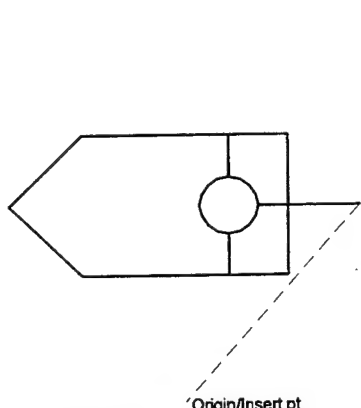
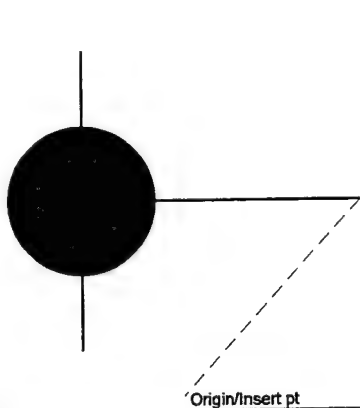
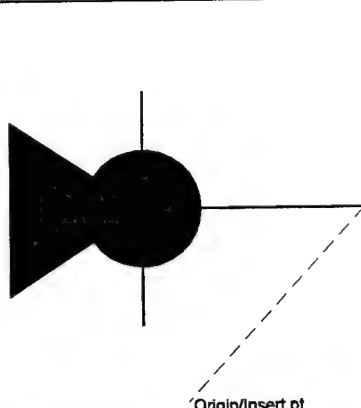
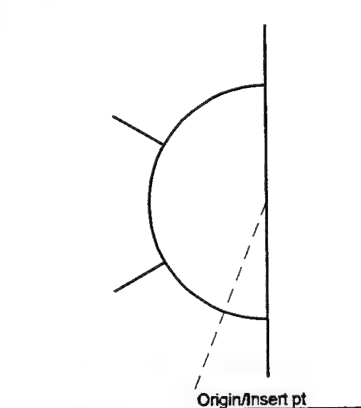
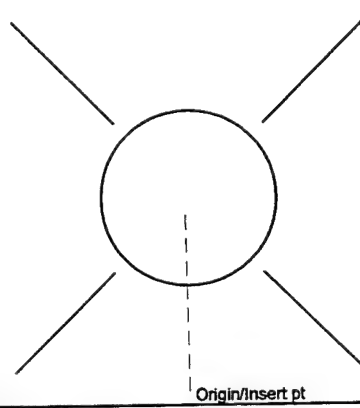
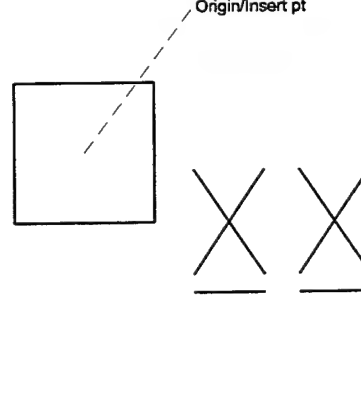
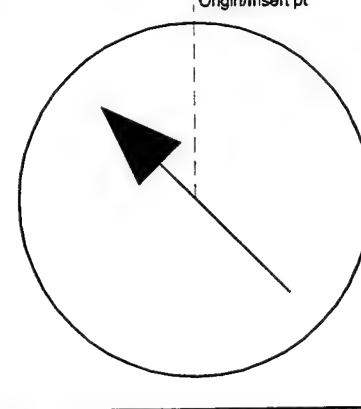
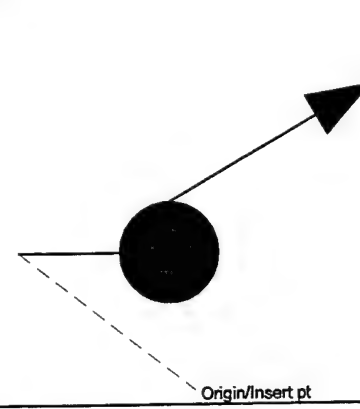
		
<p>Fire Protection:DMPBAR BAROMETRIC DAMPER Element type: Symbol</p>	<p>Fire Protection:DMPFIR FIRE DAMPER Element type: Symbol</p>	<p>Fire Protection:DMPFS FIRE SMOKE DAMPER Element type: Symbol</p>
		
<p>Fire Protection:DMPSMK SMOKE DAMPER Element type: Symbol</p>	<p>Fire Protection:DRHOLD DOOR HOLDER Element type: Symbol</p>	<p>Fire Protection:DTFLAM FLAME DETECTOR Element type: Symbol</p>
		
<p>Fire Protection:DTFLOW FA FLOW DETECTOR Element type: Symbol</p>	<p>Fire Protection:DTGAS FA GAS DETECTOR Element type: Symbol</p>	<p>Fire Protection:DTLEVL FA LEVEL DETECTOR Element type: Symbol</p>

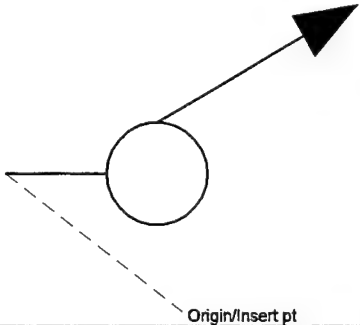
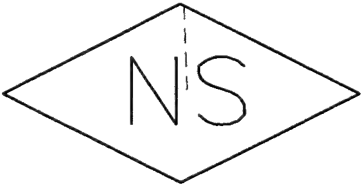
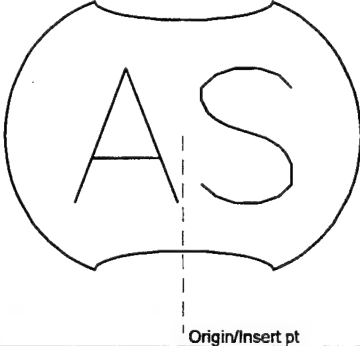
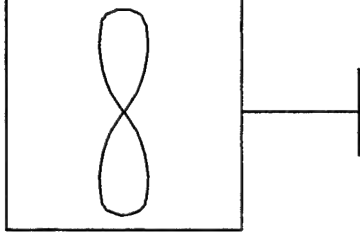
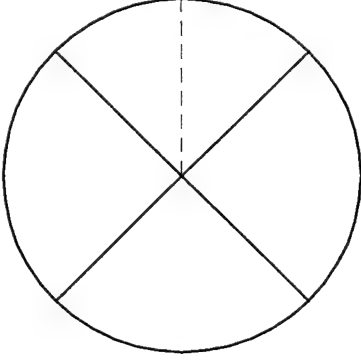
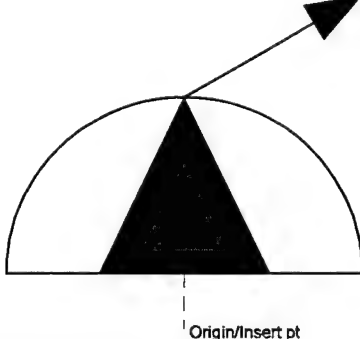
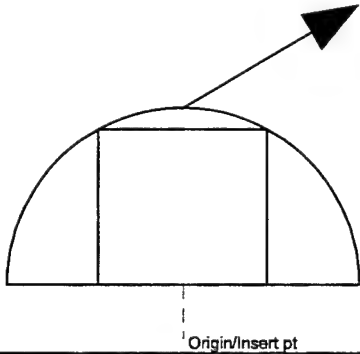
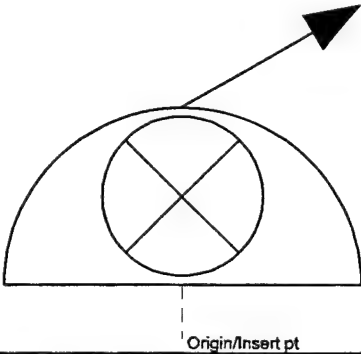
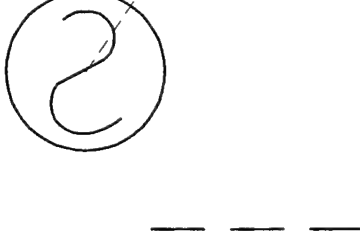
		
<p>Fire Protection:DTPRES FA PRESSURE DETECTOR Element type: Symbol</p>	<p>Fire Protection:DTTAMP FA TAMPER DETECTOR Element type: Symbol</p>	<p>Fire Protection:ELBP1L 1LAMP EMRGNCY LGHTBTTRY PWR Element type: Symbol</p>
		
<p>Fire Protection:ELBP2L 2LAMP EMRGNCY LGHTBTTRY PWR Element type: Symbol</p>	<p>Fire Protection:ELBP3L 3LAMP EMRGNCY LGHTBTTRY PWR Element type: Symbol</p>	<p>Fire Protection:EPSTA EMERGENCY PHONE STATION Element type: Symbol</p>
		
<p>Fire Protection:ESCAPE FIRE ESCAPE Element type: Symbol</p>	<p>Fire Protection:EXFOAM FOAM EXTINGUISHER Element type: Symbol</p>	<p>Fire Protection:EXITCM CEILING MNTD EXITSIGN LIGHT Element type: Symbol</p>

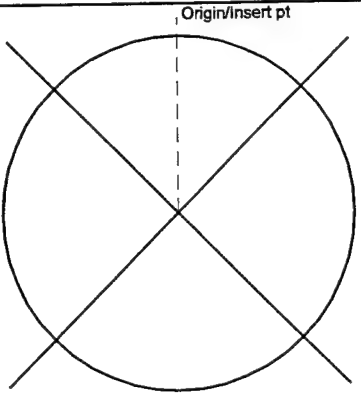
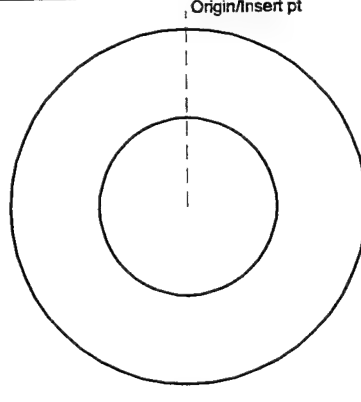
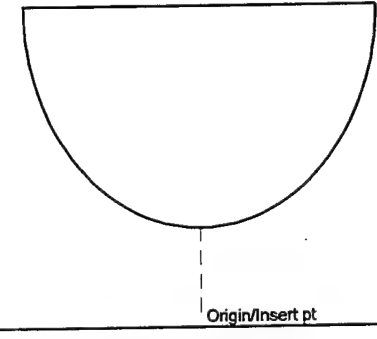
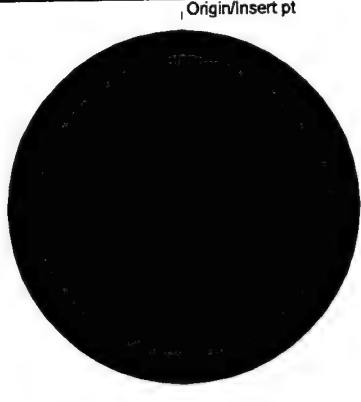
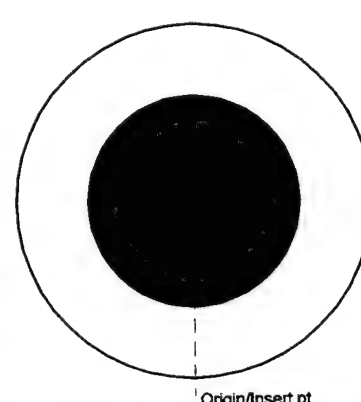
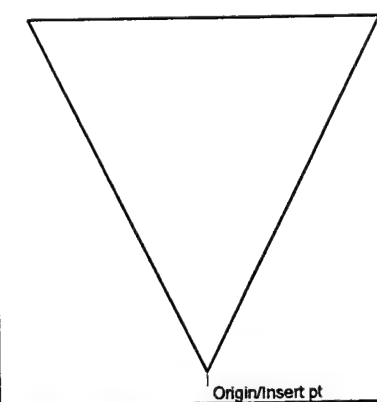
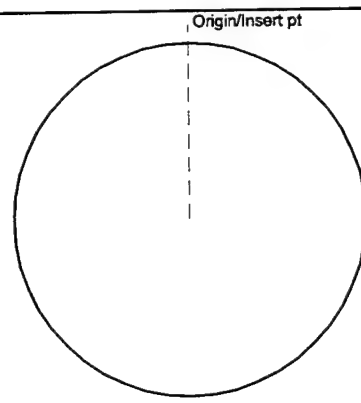
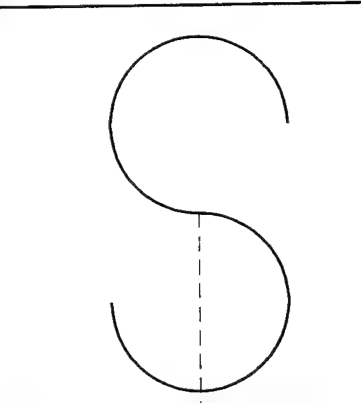
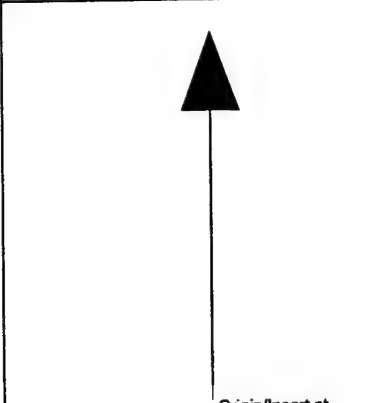
		
<p>Fire Protection:EXITLF EXIT SIGN LIGHTED FACE Element type: Symbol</p>	<p>Fire Protection:EXITWM WALL MOUNTD EXIT SIGN LIGHT Element type: Symbol</p>	<p>Fire Protection:EXWATR WATER EXTINGUISHER Element type: Symbol</p>
		
<p>Fire Protection:FANDCT DUCT FAN Element type: Symbol</p>	<p>Fire Protection:FANGEN GENERAL FAN Element type: Symbol</p>	<p>Fire Protection:FANWAL WALL FAN Element type: Symbol</p>
		
<p>Fire Protection:FDOR3 3HR RATED FIRE DOOR IN WALL Element type: Symbol</p>	<p>Fire Protection:FDORL3 WALL W 3 HOUR RATED DOOR Element type: Symbol</p>	<p>Fire Protection:FPDRIV FIRE PUMP WITH DRIVES Element type: Symbol</p>

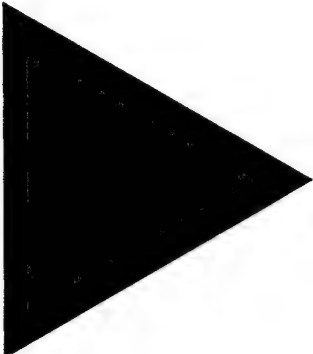
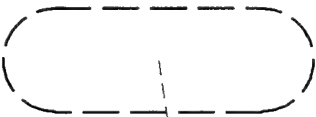
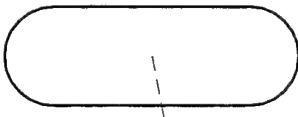
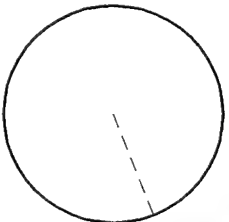
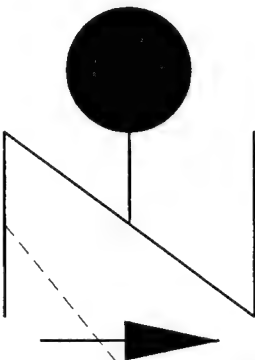
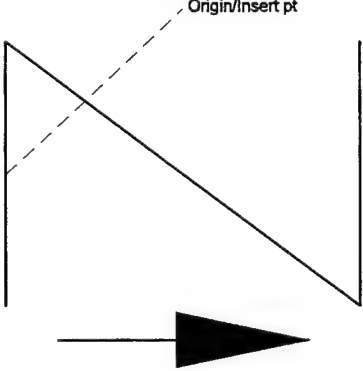
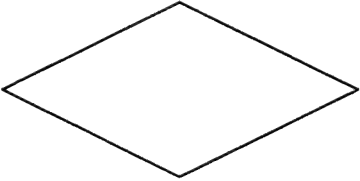
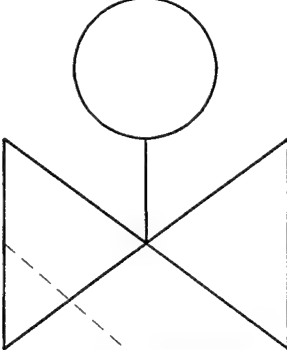
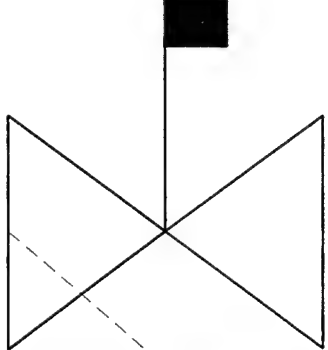
		
<p>Fire Protection:FPFREE FREE STANDING TEST HEADER Element type: Symbol</p>	<p>Fire Protection:FPTEST WALL MOUNTED TEST HEADER Element type: Symbol</p>	<p>Fire Protection:FRR1HR 1 HR FIRE RATING Element type: Symbol</p>
		
<p>Fire Protection:FRR2HR 2 HR FIRE RATING Element type: Symbol</p>	<p>Fire Protection:FRR30M 30 MIN FIRE RATING Element type: Symbol</p>	<p>Fire Protection:FRR3HR 3 HR FIRE RATING Element type: Symbol</p>
		
<p>Fire Protection:FRR45M 45 MIN FIRE RATING Element type: Symbol</p>	<p>Fire Protection:FRR4HR 4 HR FIRE RATING Element type: Symbol</p>	<p>Fire Protection:FULLSS FULLY SPRINKLERED SPACE Element type: Symbol</p>

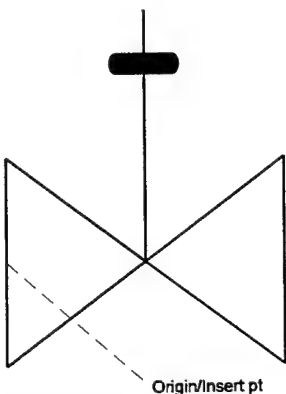
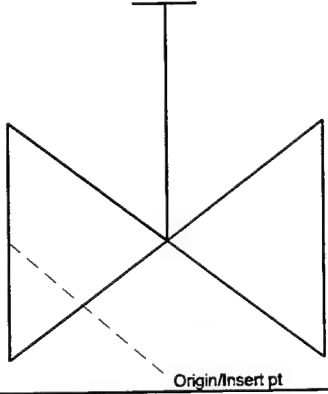
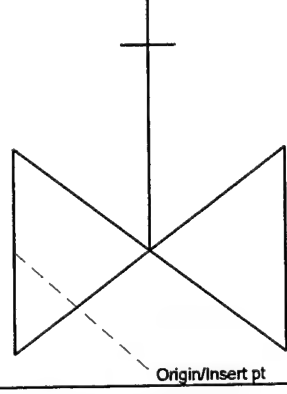
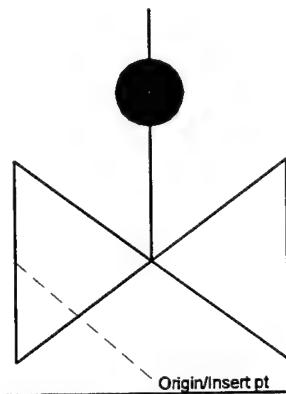
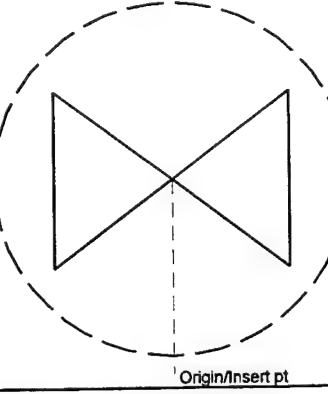
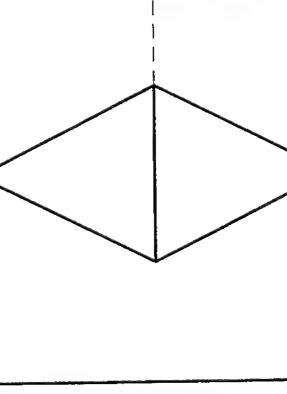
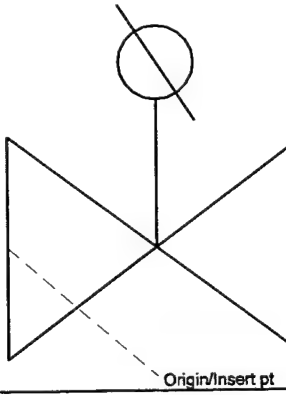
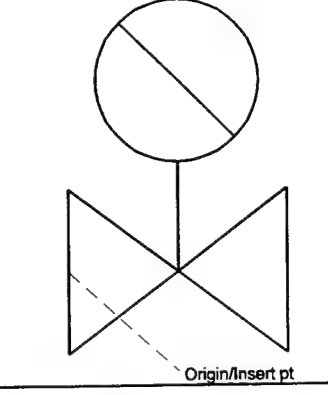
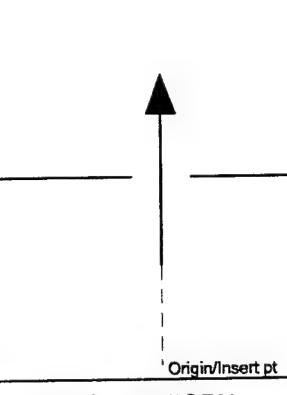
		
<p>Fire Protection:HD HEAT DETECTOR Element type: Symbol</p>	<p>Fire Protection:HLNAA AUTO ACT HALON EXTINGUISHER Element type: Symbol</p>	<p>Fire Protection:HLNMA MAN ACT HALON EXTNGSHR Element type: Symbol</p>
		
<p>Fire Protection:HOSECS HOSE STATION CHRGD STNDPIPE Element type: Symbol</p>	<p>Fire Protection:HOSEDS HOSE STATION DRY STANDPIPE Element type: Symbol</p>	<p>Fire Protection:HRN1A HORN LIGHT 1 ASSY Element type: Symbol</p>
		
<p>Fire Protection:HRNMIN MINI HORN Element type: Symbol</p>	<p>Fire Protection:HRNSA SEPARATE ASSEMBLY HORN LGHT Element type: Symbol</p>	<p>Fire Protection:HRNSPK HORN SPEAKER Element type: Symbol</p>

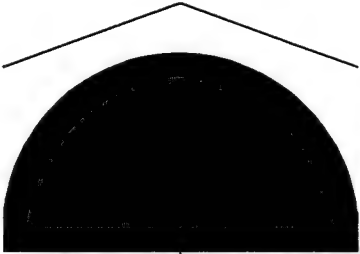
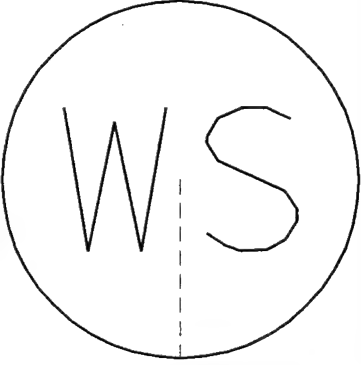
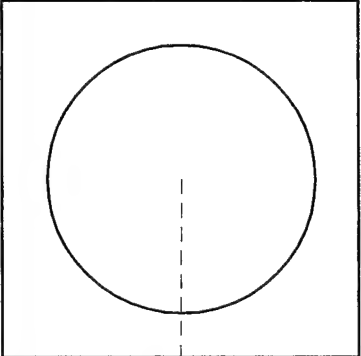
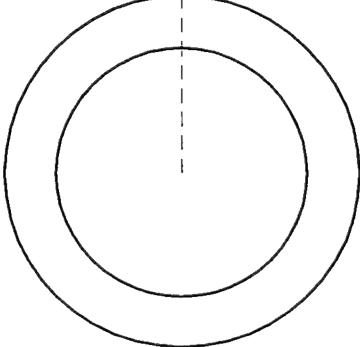
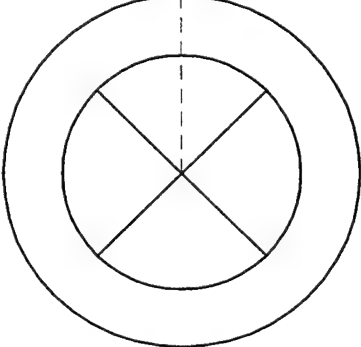
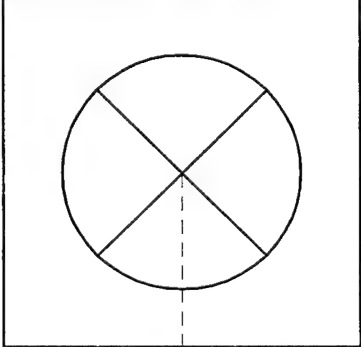
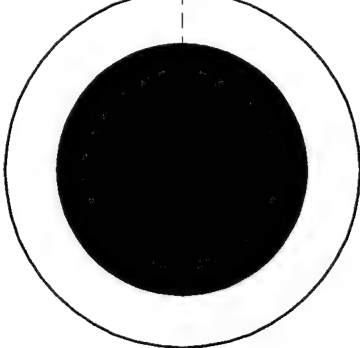
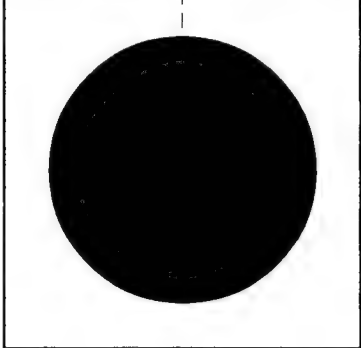
		
<p>Fire Protection:HYDPR1 PRIV HYDRANT 1 HOSE OUTLET Element type: Symbol</p>	<p>Fire Protection:HYDPR2 PRIVATE HOUSED HYDRANT Element type: Symbol</p>	<p>Fire Protection:HYDPU2 PUBLIC TWO HOSE OUTLET HYD Element type: Symbol</p>
		
<p>Fire Protection:HYDPUP PUBHYDRNT2HOSOUTLTPMPCONN Element type: Symbol</p>	<p>Fire Protection:HYDW2H WALL HYDRANT 2 HOSE OUTLET Element type: Symbol</p>	<p>Fire Protection:LITFAS FA STROBE LIGHT Element type: Symbol</p>
		
<p>Fire Protection:MANSTA MANUAL STATION Element type: Symbol</p>	<p>Fire Protection:METRFP FP METER Element type: Symbol</p>	<p>Fire Protection:MNCHRG MONITOR NOZZLE CHARGED Element type: Symbol</p>

		
<p>Fire Protection:MNDRY MONITOR NOZZLE DRY Element type: Symbol</p>	<p>Fire Protection:NONSS NONSPRINKLERED SPACE Element type: Symbol</p>	<p>Fire Protection:PARTSS PARTIALLY SPRINKLERED SPACE Element type: Symbol</p>
		
<p>Fire Protection:PURGE MANUAL PURGE CONTROL Element type: Symbol</p>	<p>Fire Protection:RISER RISER Element type: Symbol</p>	<p>Fire Protection:RSC02 C02 REEL STATION Element type: Symbol</p>
		
<p>Fire Protection:RSDRYC DRY CHEMICAL REEL STATION Element type: Symbol</p>	<p>Fire Protection:RSFOAM FOAM REEL STATION Element type: Symbol</p>	<p>Fire Protection:SD SMOKE DETECTOR Element type: Symbol</p>

		
<p>Fire Protection:SHGARD SPRINKLER HEAD W GUARD Element type: Symbol</p>	<p>Fire Protection:SHNUU NIPPLED UP UPRIGHT SPRINKLR Element type: Symbol</p>	<p>Fire Protection:SHOUT OUTSIDE SPRINKLER HEAD Element type: Symbol</p>
		
<p>Fire Protection:SHPEND PENDENT SPRINKLER HEAD Element type: Symbol</p>	<p>Fire Protection:SHPNDN PENDENTSPRINKLR DROP NIPPL Element type: Symbol</p>	<p>Fire Protection:SHSIDE SIDEWALL SPRINKLER HEAD Element type: Symbol</p>
		
<p>Fire Protection:SHUPRT UPRIGHT SPRINKLER HEAD Element type: Symbol</p>	<p>Fire Protection:SMKBR SMOKE BARRIER Element type: Symbol</p>	<p>Fire Protection:SSNOZZ SPECIAL SPRAY NOZZLE Element type: Symbol</p>

		
<p>Fire Protection:THRUST THRUST BLOCK Element type: Symbol</p>	<p>Fire Protection:TNKBG TANK BELOW GROUND Element type: Symbol</p>	<p>Fire Protection:TNKHAG TANK HORIZ ABOVE GROUND Element type: Symbol</p>
		
<p>Fire Protection:TNKVAG TANK VERTICAL ABOVE GROUND Element type: Symbol</p>	<p>Fire Protection:VLVCHA ALARM CHECK VALVE Element type: Symbol</p>	<p>Fire Protection:VLVCHK CHECK VALVE Element type: Symbol</p>
		
<p>Fire Protection:VLVDEL DELUGE VALVE Element type: Symbol</p>	<p>Fire Protection:VLVDRY DRY PIPE VALVE Element type: Symbol</p>	<p>Fire Protection:VLVIBF INDICATING BUTTERFLY VALVE Element type: Symbol</p>

		
<p>Fire Protection:VLVKEY KEY OPERATED VALVE Element type: Symbol</p>	<p>Fire Protection:VLVNON VALVE NONRISING STEM Element type: Symbol</p>	<p>Fire Protection:VLVOSY OS Y VALVE Element type: Symbol</p>
		
<p>Fire Protection:VLVPI POST INDICATOR VALVE Element type: Symbol</p>	<p>Fire Protection:VLVPIT VALVE IN PIT Element type: Symbol</p>	<p>Fire Protection:VLVPRE PREACTION VALVE Element type: Symbol</p>
		
<p>Fire Protection:VLVQOD VALVE W QUICK OPENING DEVICE Element type: Symbol</p>	<p>Fire Protection:VLVTD VALVE TAMPERDETECTION SWTC Element type: Symbol</p>	<p>Fire Protection:VNTOPN VENTILATION OPENINGS Element type: Symbol</p>









 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Fire Protection:WALARM WATER MOTOR ALARM Element type: Symbol</p>	<p>Fire Protection:WATRSS WATER SPRAY SYSTEM Element type: Symbol</p>	<p>Fire Protection:WBD SMA WATER BASED DRY SYS MAN ACT Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Fire Protection:WBD SSA WATERBASED DRY SYS AUTO ACT Element type: Symbol</p>	<p>Fire Protection:WBF SAA WATR BASED FOAM SYS AUTOACT Element type: Symbol</p>	<p>Fire Protection:WBF SMA WATR BASED FOAM SYS MANACT Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	
<p>Fire Protection:WBWSAA WATERBASED WET SYS AUTO ACT Element type: Symbol</p>	<p>Fire Protection:WBWSMA WATER BASED WET SYS MAN ACT Element type: Symbol</p>	

11 Plumbing Lines Library

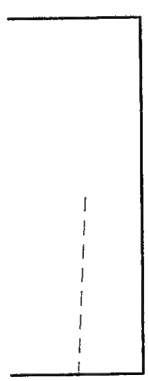
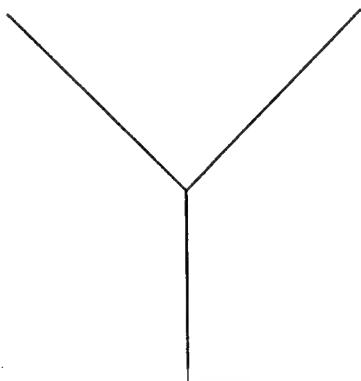
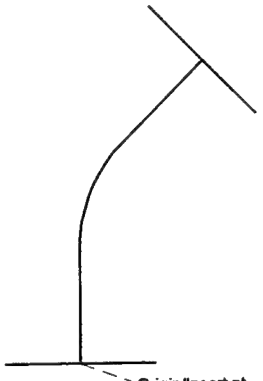
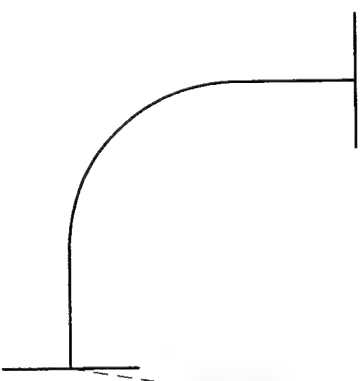
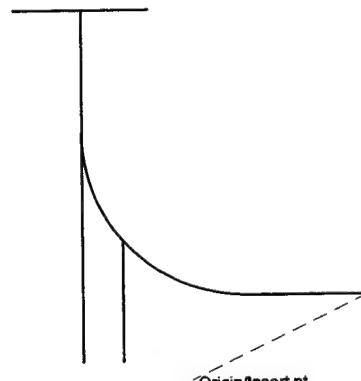
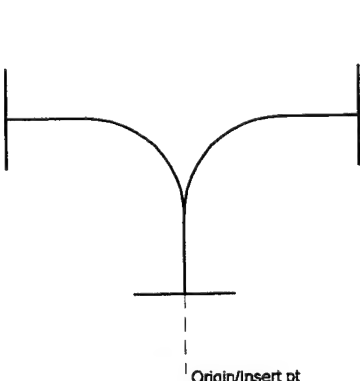
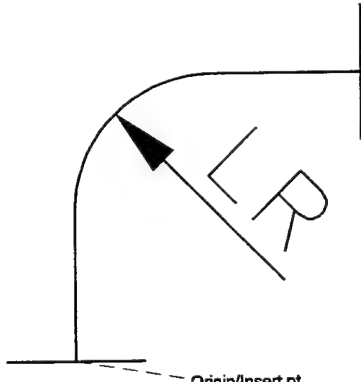
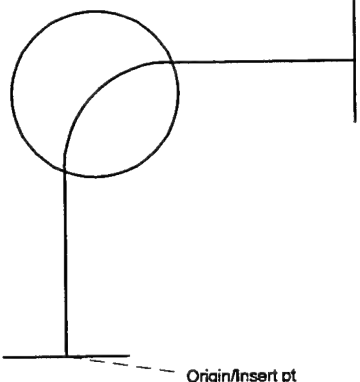
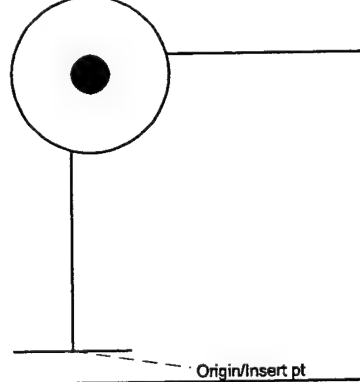
<p>———— C D ————</p>	<p>———— ————</p>	<p>———— A ————</p>
Plumbing:CDRNAF CONDENSATE DRAIN Element type: Line	Plumbing:CLDWTR POTABLE COLD WATER Element type: Line	Plumbing:CMPAIR COMPRESSED AIR Element type: Line
<p>———— D E ————</p>	<p>———— D I ————</p>	<p>———— F ————</p>
Plumbing:DIEWTR DEIONIZED WATER Element type: Line	Plumbing:DSTWTR DISTILLED WATER Element type: Line	Plumbing:FIRE FIRE PROTECTION WATR SUPPLY Element type: Line
<p>———— F O R ————</p>	<p>———— F O S ————</p>	<p>———— F O V ————</p>
Plumbing:FUELOR FUEL OIL RETURN Element type: Line	Plumbing:FUELOS FUEL OIL SUPPLY Element type: Line	Plumbing:FUELOV FUEL OIL TANK VENT Element type: Line

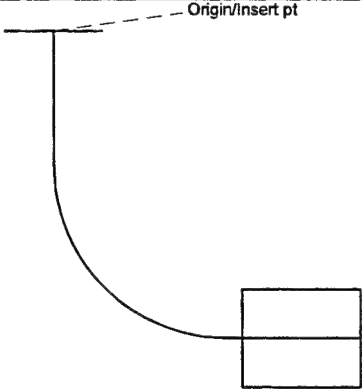
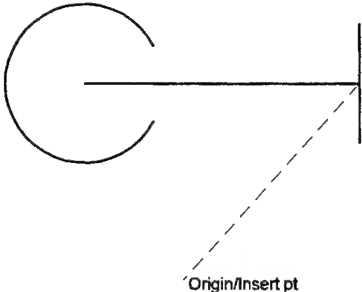
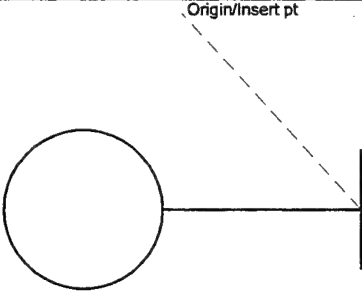
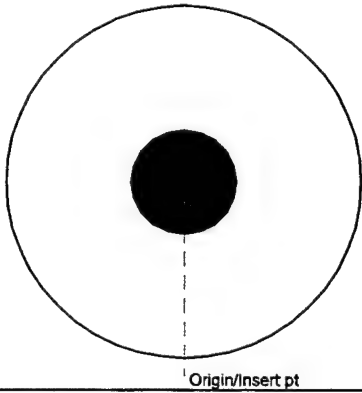
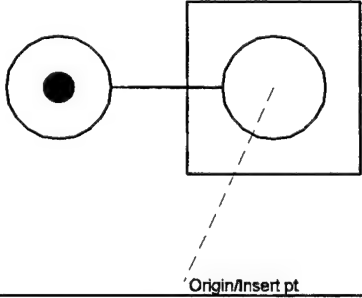
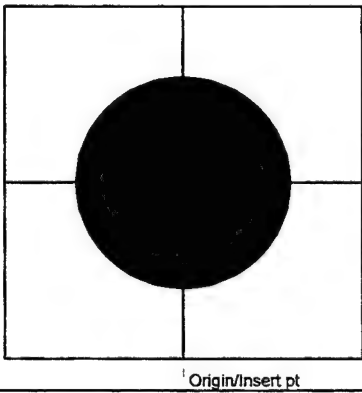
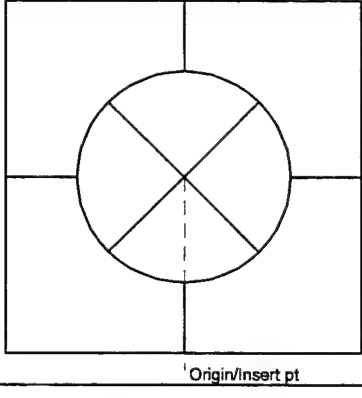
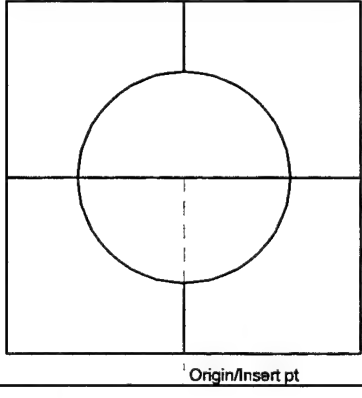
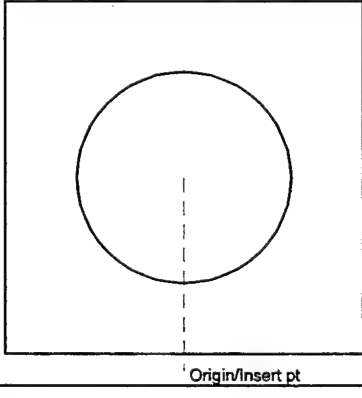
<p>———— H E ————</p>	<p>———— ————</p>	<p>———— ————</p>
Plumbing:HELIUM HELIUM Element type: Line	Plumbing:HWTR POTABLE HOT WATER Element type: Line	Plumbing:HWTRR POTABLE HOT WATER RETURN Element type: Line
<p>———— H ————</p>	<p>———— I C W ————</p>	<p>———— I H R ————</p>
Plumbing:HYDRGN HYDROGEN Element type: Line	Plumbing:ICWTR INDUSTRIAL COLD WATER Element type: Line	Plumbing:IHWTRR INDUSTRIAL HOT WATER RETURN Element type: Line
<p>———— I H W ————</p>	<p>———— I D ————</p>	<p>———— L N ————</p>
Plumbing:IHWTRS INDUSTRIAL HOT WATER SUPPLY Element type: Line	Plumbing:INDDRN INDIRECT DRAIN Element type: Line	Plumbing:LIQNIT LIQUID NITROGEN Element type: Line

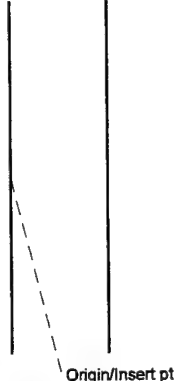
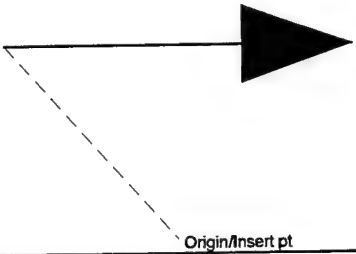
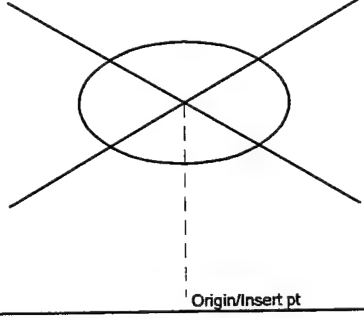
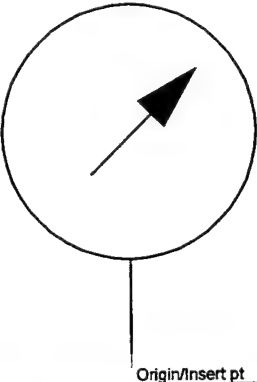
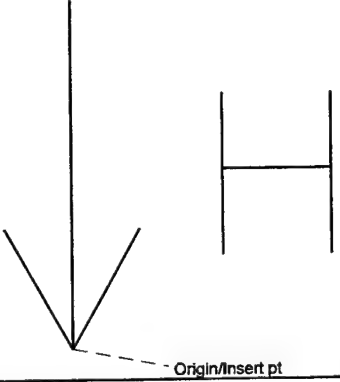
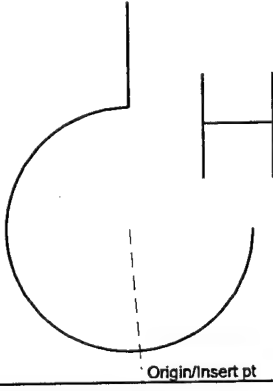
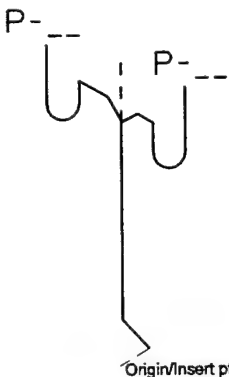
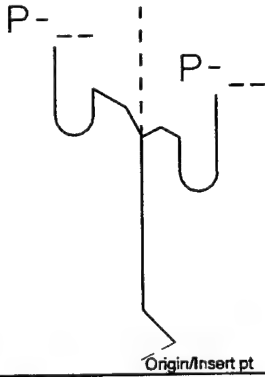
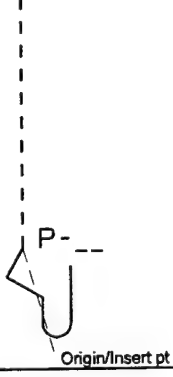
<p>—— L O X ——</p>	<p>—— L P G ——</p>	<p>—— N O ——</p>
Plumbing: LIQOXY LIQUID OXYGEN Element type: Line	Plumbing: LIQPET LIQUID PETROLEUM GAS Element type: Line	Plumbing: NITOXI NITROUS OXIDE Element type: Line
<p>—— N ——</p>	<p>—— N P W ——</p>	<p>—— G ——</p>
Plumbing: NITROG NITROGEN Element type: Line	Plumbing: NONPOT NONPOTABLE WATER Element type: Line	Plumbing: NTGASN NATURAL GAS Element type: Line
<p>—— O X ——</p>	<p>—— P N ——</p>	<p>—— R D ——</p>
Plumbing: OXYGEN OXYGEN Element type: Line	Plumbing: PNTUBE PNEUMATIC TUBE RUNS Element type: Line	Plumbing: ROOFDN ROOF DRAIN Element type: Line

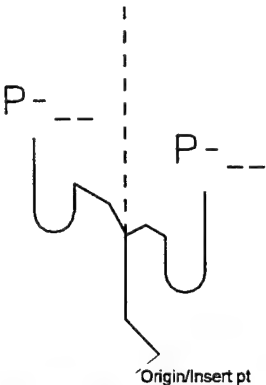
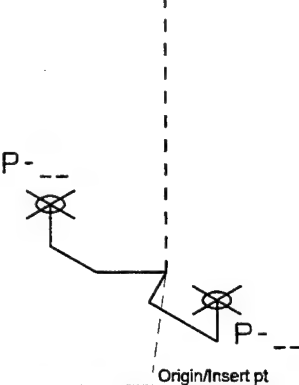
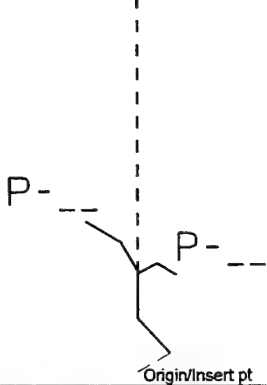
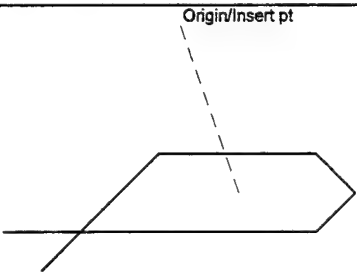
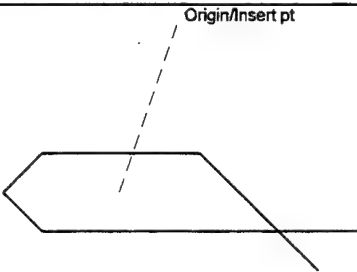
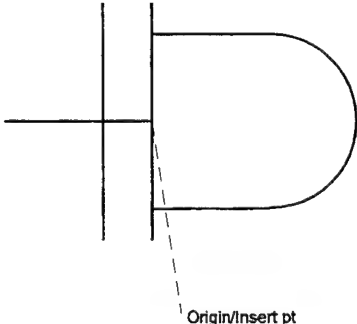
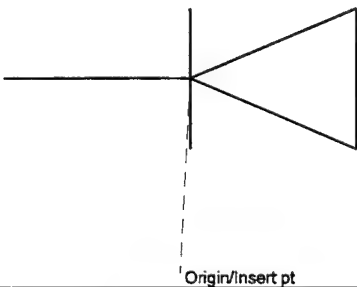
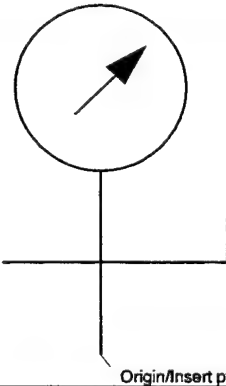
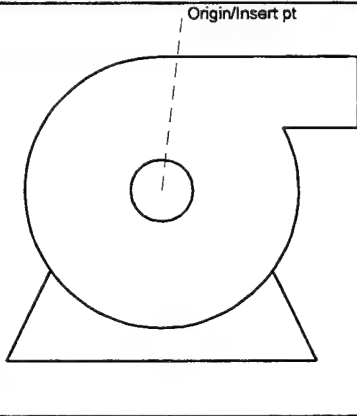
		
Plumbing:SFCWTR SOFT WATER Element type: Line	Plumbing:SHWTRR SANITIZING HOT WATER RETURN Element type: Line	Plumbing:SHWTRS SANITIZING HOT WATER SUPPLY Element type: Line
		
Plumbing:SSWAF SANITARY SEWER Element type: Line	Plumbing:STRAF STORM DRAIN Element type: Line	Plumbing:VACAIR VACUUM AIR Element type: Line
		
Plumbing:VENT VENT Element type: Line	Plumbing:VENTWS VENT AND WASTE COMBINATION Element type: Line	

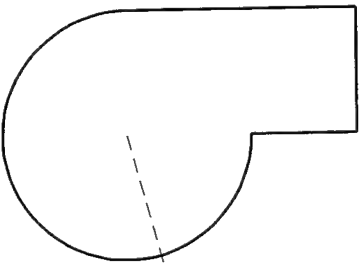
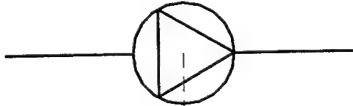
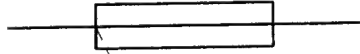
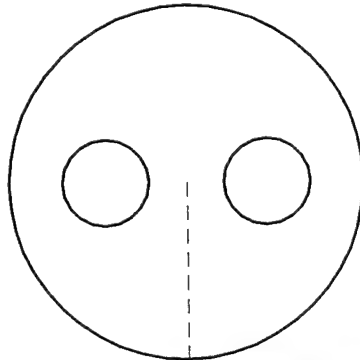
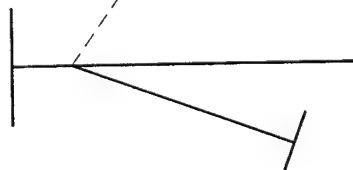
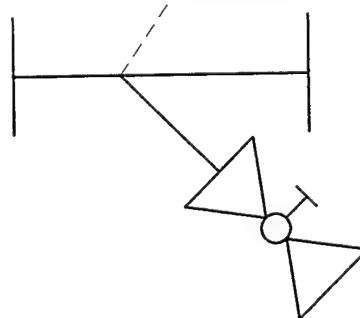
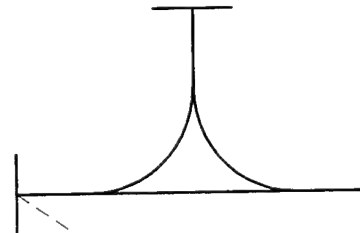
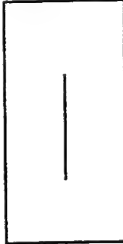
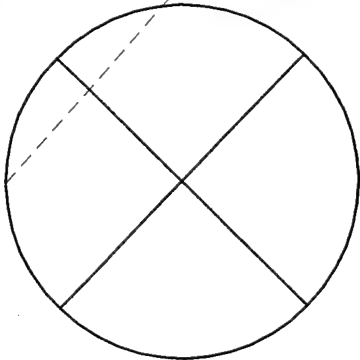
11 Plumbing Symbols Library

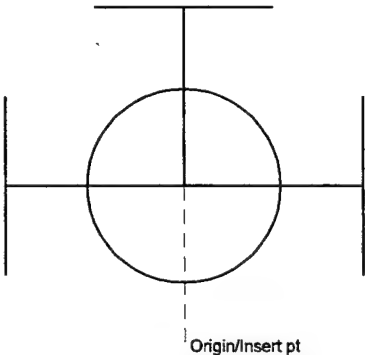
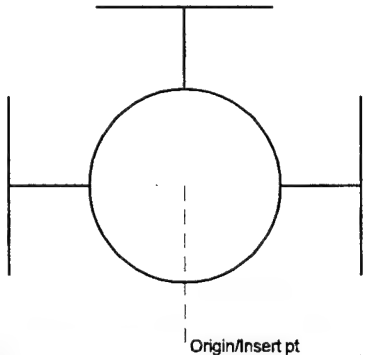
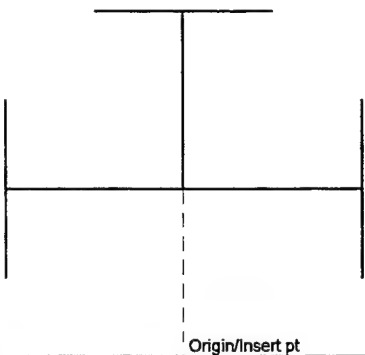
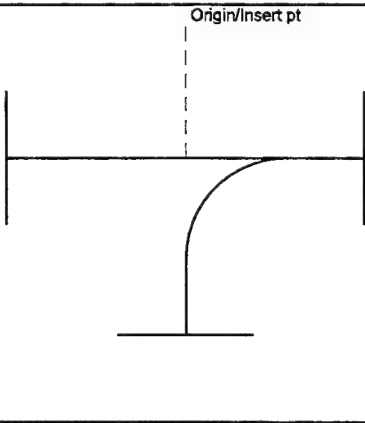
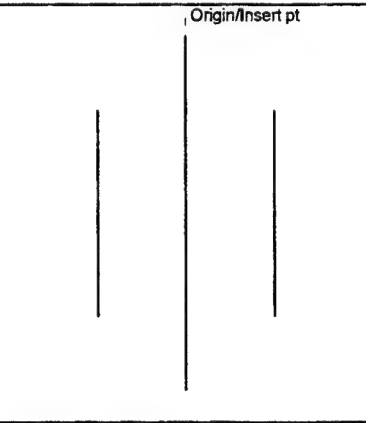
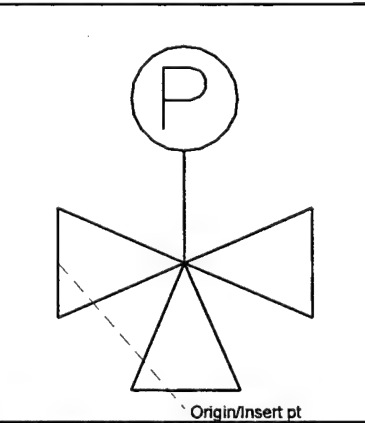
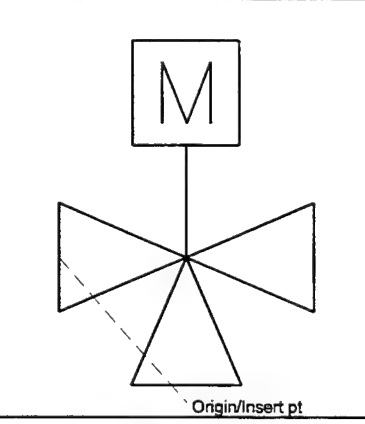
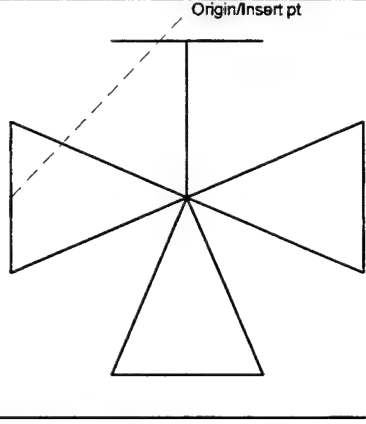
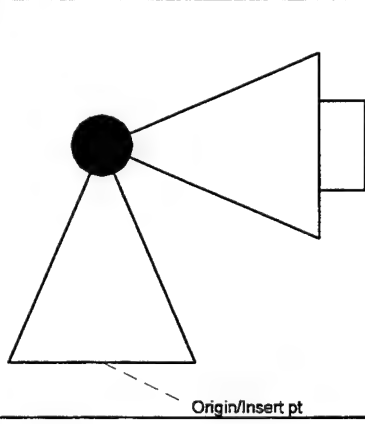
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Plumbing:CAPSC CAP Element type: Symbol</p>	<p>Plumbing:DRNFUN OPEN DRAIN FUNNEL Element type: Symbol</p>	<p>Plumbing:EL45SC 45 DEGREE ELBOW Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Plumbing:EL90SC 90 DEGREE ELBOW Element type: Symbol</p>	<p>Plumbing:ELBSC BASE ELBOW Element type: Symbol</p>	<p>Plumbing:ELDBSC DOUBLE BRANCH ELBOW Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Plumbing:ELLRSC LONG RADIUS ELBOW Element type: Symbol</p>	<p>Plumbing:ELODSC ELBOW SIDE OUTLET DOWN Element type: Symbol</p>	<p>Plumbing:ELOUSC ELBOW SIDE OUTLET UP Element type: Symbol</p>

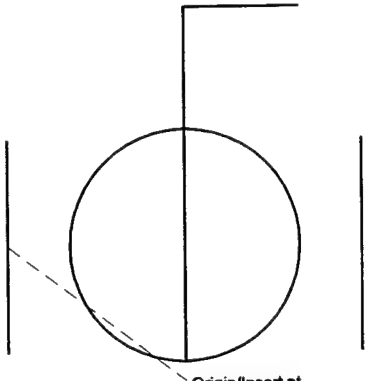
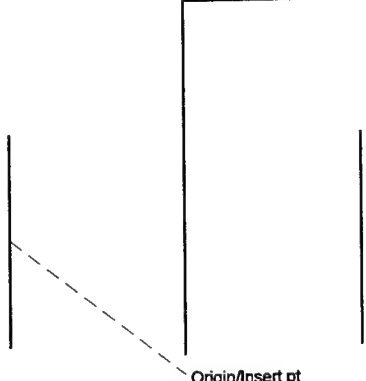
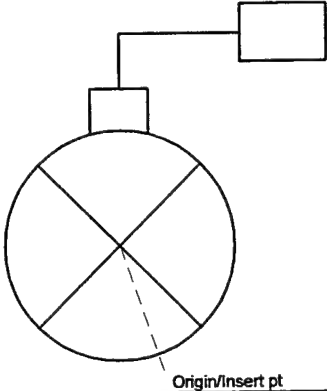
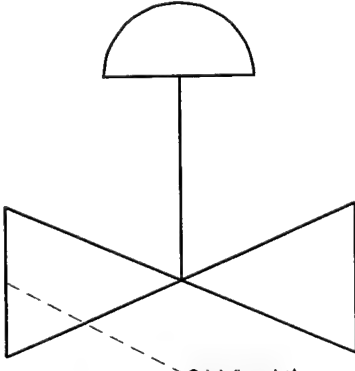
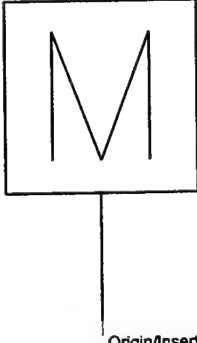
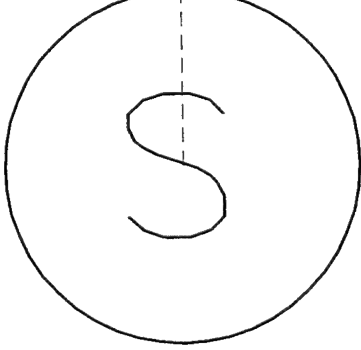
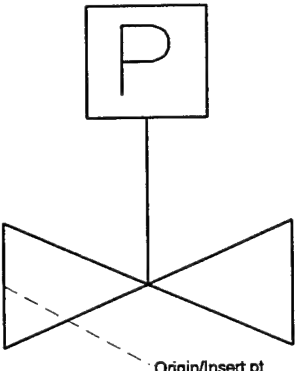
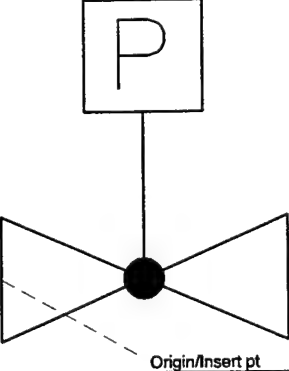
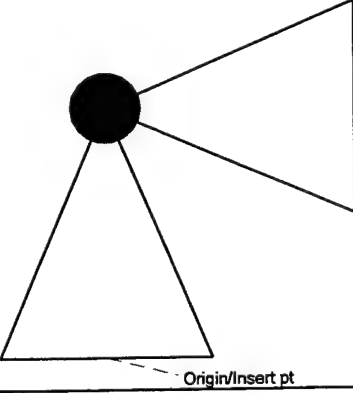
		
<p>Plumbing:ELSTRT STREET ELBOW Element type: Symbol</p>	<p>Plumbing:ELTDSC TURNED DOWN ELBOW Element type: Symbol</p>	<p>Plumbing:ELTUSC TURNED UP ELBOW Element type: Symbol</p>
		
<p>Plumbing:FCO FLOOR CLEANOUT Element type: Symbol</p>	<p>Plumbing:FDCO FLOOR DRAIN WITH CLEANOUT Element type: Symbol</p>	<p>Plumbing:FDDT FLOOR DRAIN WITH DEEP TRAP Element type: Symbol</p>
		
<p>Plumbing:FDNT FLOOR DRAIN WITH NO TRAP Element type: Symbol</p>	<p>Plumbing:FDTP FLOOR DRAIN WITH TRAP PRIME Element type: Symbol</p>	<p>Plumbing:FDWT FLOOR DRAIN WITH TRAP Element type: Symbol</p>

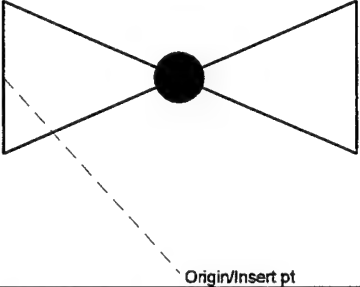
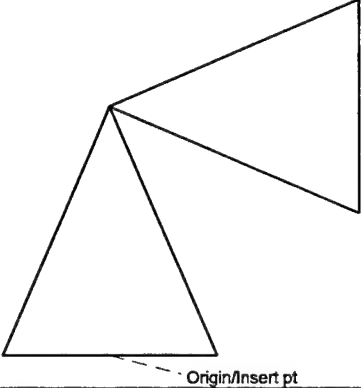
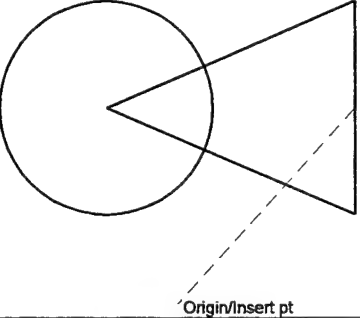
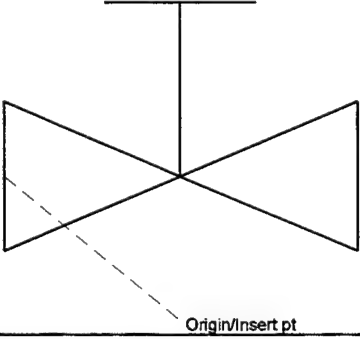
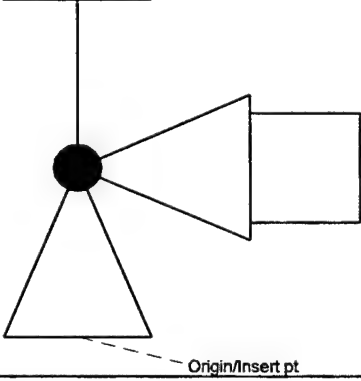
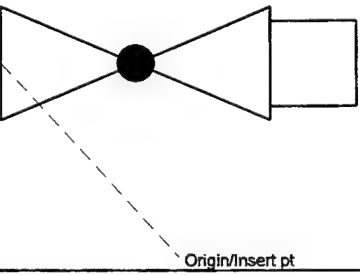
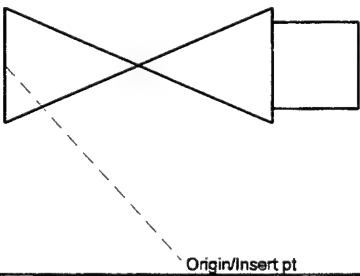
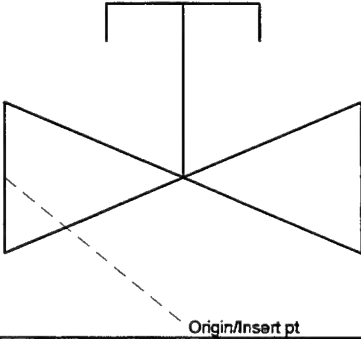
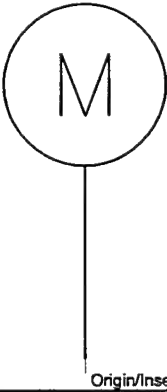
		
<p>Plumbing:FLBLND BLIND FLANGE Element type: Symbol</p>	<p>Plumbing:FLOW3 FLOW ARROW Element type: Symbol</p>	<p>Plumbing:FLRPEN FLOOR PENETRATION ISO Element type: Symbol</p>
		
<p>Plumbing:GAUGE GAUGE Element type: Symbol</p>	<p>Plumbing:HANGRD HANGER ROD Element type: Symbol</p>	<p>Plumbing:HANGSP HANGER SPRING Element type: Symbol</p>
		
<p>Plumbing:ISOEWC ISOMETRIC EWC Element type: Symbol</p>	<p>Plumbing:ISOLAV ISOMETRIC LAVATORIES Element type: Symbol</p>	<p>Plumbing:ISOMOP ISO MOP SINK Element type: Symbol</p>

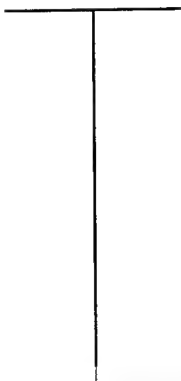
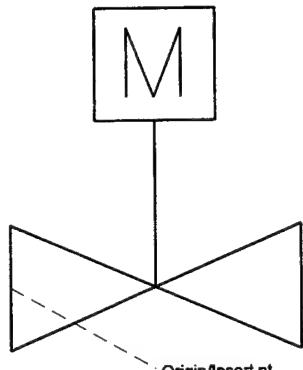
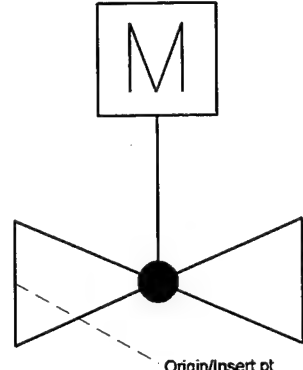
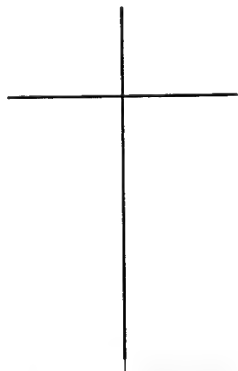
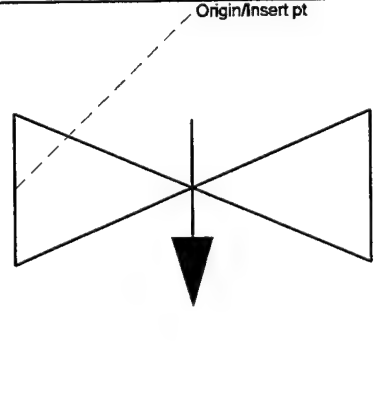
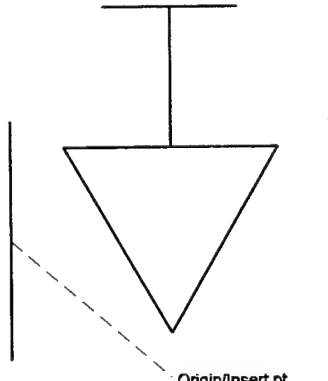
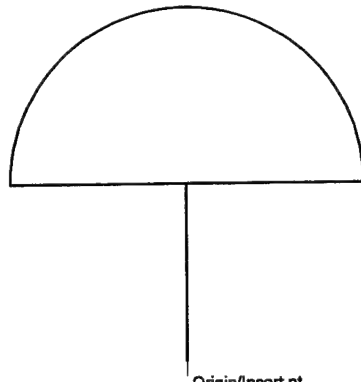
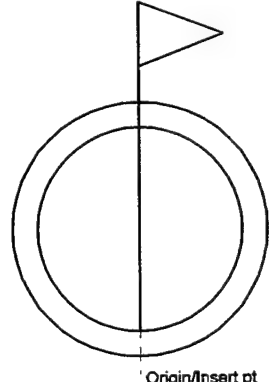
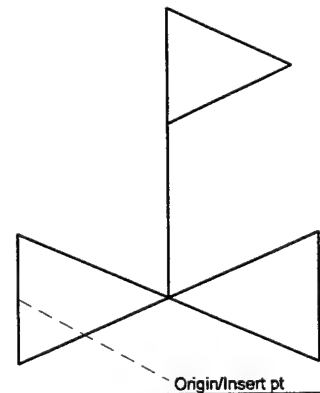
		
<p>Plumbing:ISO UR1 ISO WALL MOUNTED URINAL Element type: Symbol</p>	<p>Plumbing:ISO WC1 ISO FLOOR MOUNTED WC Element type: Symbol</p>	<p>Plumbing:ISO WC2 ISO WALL MOUNTED WC Element type: Symbol</p>
		
<p>Plumbing:LOOPL LEFT DIMENSION LOOP Element type: Symbol</p>	<p>Plumbing:LOOPR RIGHT DIMENSION LOOP Element type: Symbol</p>	<p>Plumbing:PLGBFL BULL PLUG FLANGED Element type: Symbol</p>
		
<p>Plumbing:PLGPSC PIPE PLUG Element type: Symbol</p>	<p>Plumbing:PRGGCO PRESSURE GAGE AND COCK Element type: Symbol</p>	<p>Plumbing:PUMP PUMP Element type: Symbol</p>

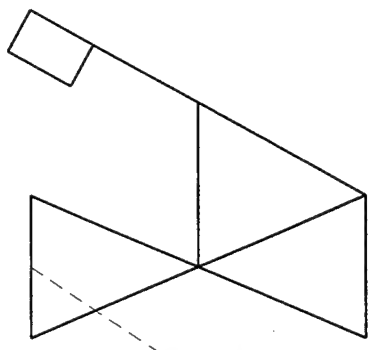
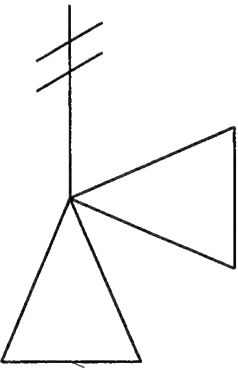
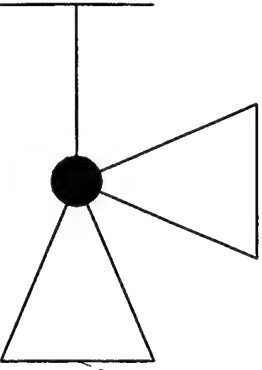
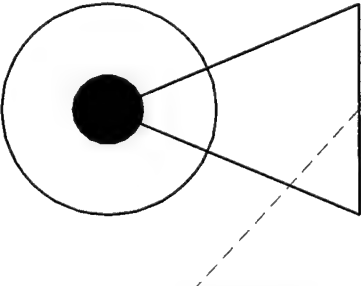
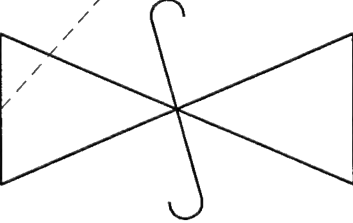
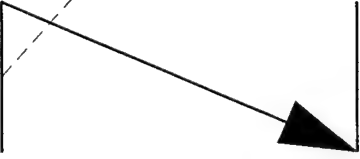
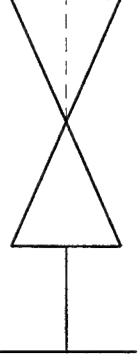
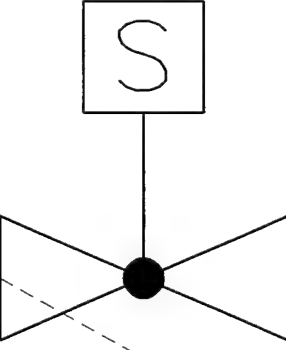

		
<p>Plumbing:PUMPP PUMP SCHEMATIC Element type: Symbol</p>	<p>Plumbing:PUMPS INLINE PUMP Element type: Symbol</p>	<p>Plumbing:SLEEVE SLEEVE Element type: Symbol</p>
		
<p>Plumbing:STGLAS SIGHT GLASS Element type: Symbol</p>	<p>Plumbing:STRAIN STRAINER Element type: Symbol</p>	<p>Plumbing:STRBLO BLOW OFF STRAINER Element type: Symbol</p>
		
<p>Plumbing:TDSSC DOUBLE SWEEP TEE Element type: Symbol</p>	<p>Plumbing:THERM THERMOMETER Element type: Symbol</p>	<p>Plumbing:TRAPST STEAM TRAP Element type: Symbol</p>

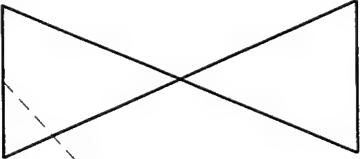

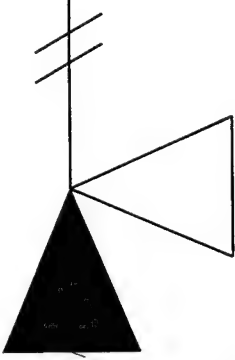
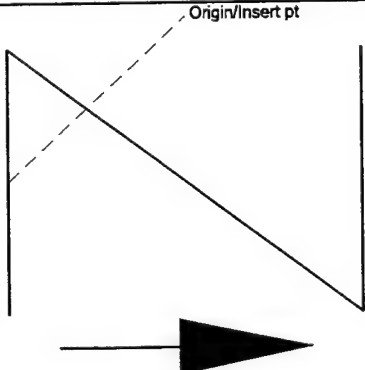
		
<p>Plumbing:TSODSC TEE SIDE OUTLET DOWN Element type: Symbol</p>	<p>Plumbing:TSOUSC TEE SIDE OUTLET UP Element type: Symbol</p>	<p>Plumbing:TSSSC TEE Element type: Symbol</p>
		
<p>Plumbing:TSSWSC SINGLE SWEEP TEE Element type: Symbol</p>	<p>Plumbing:UNIOSC UNION Element type: Symbol</p>	<p>Plumbing:VA3WAM 3WAY AIRMOTOR CONTROLER Element type: Symbol</p>
		
<p>Plumbing:VA3WEM 3WAY ELEC MOTOR CONTRLE Element type: Symbol</p>	<p>Plumbing:VA3WM 3 WAY MANUAL VALVE Element type: Symbol</p>	<p>Plumbing:VAAHOS ANGLE HOSE VALVE Element type: Symbol</p>

		
<p>Plumbing:VABALL BALL VALVE PLAN Element type: Symbol</p>	<p>Plumbing:VABFLY BUTTERFLY VALVE Element type: Symbol</p>	<p>Plumbing:VACWR CONDENS WATER REGULATVALVE Element type: Symbol</p>
		
<p>Plumbing:VADISC DIAPHRAGM VALVE Element type: Symbol</p>	<p>Plumbing:VAEMTR PNEUMATIC MOTOR Element type: Symbol</p>	<p>Plumbing:VAESOL SOLENOID VALVE ACTUATOR Element type: Symbol</p>
		
<p>Plumbing:VAGAMC PNEUMATIC CTRLD GATE VALVE Element type: Symbol</p>	<p>Plumbing:VAGLAM PNEUMATIC CTRLD GLOBE VLV Element type: Symbol</p>	<p>Plumbing:VAGLE ANGLE GLOBE VALVE Element type: Symbol</p>

		
<p>Plumbing:VAGLSE GLOBE VALVE Element type: Symbol</p>	<p>Plumbing:VAGSE ANGLE GATE VALVE Element type: Symbol</p>	<p>Plumbing:VAGSP ANGLE GATE VALVE PLAN Element type: Symbol</p>
		
<p>Plumbing:VAGTSE GATE VALVE Element type: Symbol</p>	<p>Plumbing:VAHASC GATE VALVE PLAN Element type: Symbol</p>	<p>Plumbing:VAHGLS HOSE GLOBE VALVE Element type: Symbol</p>
		
<p>Plumbing:VAHGSC HOSE GATE VALVE Element type: Symbol</p>	<p>Plumbing:VALSSC LOCK SHIELD VALVE Element type: Symbol</p>	<p>Plumbing:VAMAGS MAGNETIC STOP VALVE Element type: Symbol</p>

		
<p>Plumbing:VAMNNS VLV ACTUA MAN NONRISINGSTEM Element type: Symbol</p>	<p>Plumbing:VAMOGS MOTOR OPERATD GATE VALVE Element type: Symbol</p>	<p>Plumbing:VAMOLS MOTOR OPERATD GLOBE VALVE Element type: Symbol</p>
		
<p>Plumbing:VAMOSY VLV ACTOR MAN OUTSTEM Element type: Symbol</p>	<p>Plumbing:VANEED NEEDLE VALVE Element type: Symbol</p>	<p>Plumbing:VAPLUG PLUG VALVE Element type: Symbol</p>
		
<p>Plumbing:VAPMTD VALVE ACTUATOR PNEUMOT Element type: Symbol</p>	<p>Plumbing:VAPRED PRESSURE REDUCING VALVE Element type: Symbol</p>	<p>Plumbing:VAPRRD PRESSURE REDUCING VALVE Element type: Symbol</p>

		
<p>Plumbing:VAQOSC QUICK OPENING VALVE Element type: Symbol</p>	<p>Plumbing:VARELF RELIEF OR SAFETY VALVE Element type: Symbol</p>	<p>Plumbing:VASCE ANGLE GLOBE VALVE Element type: Symbol</p>
		
<p>Plumbing:VASCP ANGLE GLOBE VALVE PLAN Element type: Symbol</p>	<p>Plumbing:VASFSC SAFETY VALVE Element type: Symbol</p>	<p>Plumbing:VASGCH SWING GATE CHECK VALVE Element type: Symbol</p>
		
<p>Plumbing:VASNAP SNAP ACTION VALVE Element type: Symbol</p>	<p>Plumbing:VASOLN SOLENOID VALVE Element type: Symbol</p>	<p>Plumbing:VASPCH SPRING CHECK VALVE Element type: Symbol</p>

		
<p>Plumbing:VASTSC GATE VALVE Element type: Symbol</p>	<p>Plumbing:VASWSC STRAIGHT WAY CHECK VALVE Element type: Symbol</p>	<p>Plumbing:VATPR TEMP PRESSURE RELIEF VALVE Element type: Symbol</p>
		
<p>Plumbing:VLVCHK CHECK VALVE Element type: Symbol</p>		

12 Mechanical Lines Library

<p>—— A C I D ——</p>	<p>—— A T V ——</p>	<p>—— B B D ——</p>
<p>Mechanical: ACIDWS ACID WASTE Element type: Line</p>	<p>Mechanical: AIRRLF ATMOSPHERIC VENT Element type: Line</p>	<p>Mechanical: BOILBD BOILER BLOW DOWN Element type: Line</p>
<p>—— B R ——</p>	<p>—— B ——</p>	<p>—— C D ——</p>
<p>Mechanical: BRINER BRINE RETURN Element type: Line</p>	<p>Mechanical: BRINES BRINE SUPPLY Element type: Line</p>	<p>Mechanical: CDRNAF CONDENSATE DRAIN Element type: Line</p>
<p>—— A ——</p>	<p>—— P C ——</p>	<p>—— C R ——</p>
<p>Mechanical: CMPAIR COMPRESSED AIR Element type: Line</p>	<p>Mechanical: CONDP PUMPED CONDENSATE Element type: Line</p>	<p>Mechanical: CONDWR CONDENSER WATER RETURN Element type: Line</p>

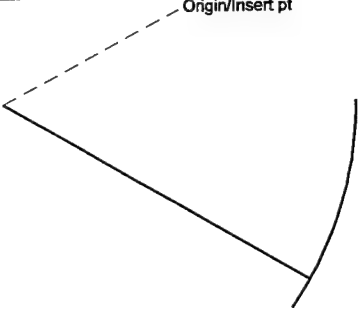
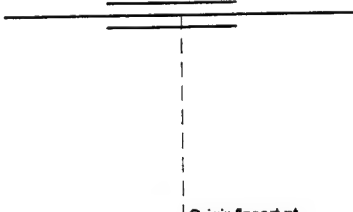
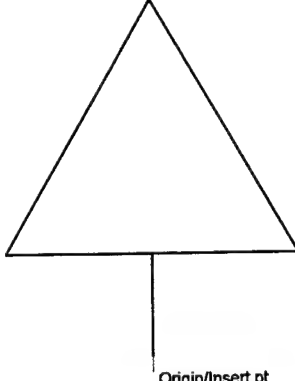
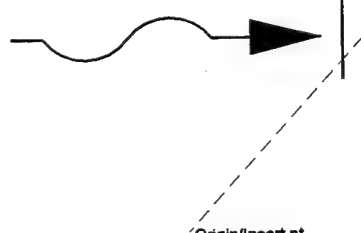
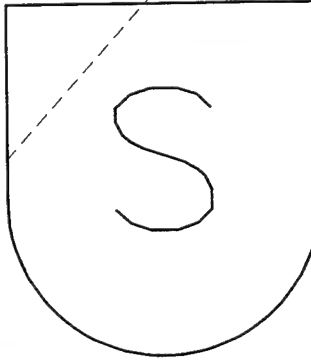
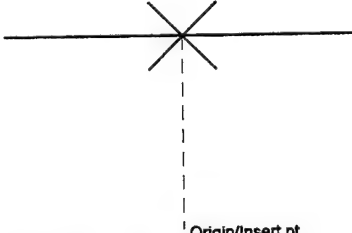
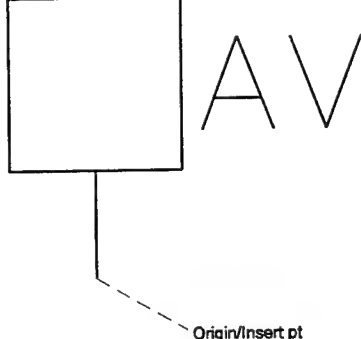
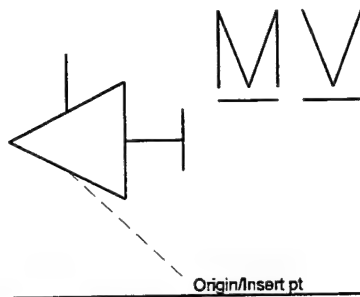
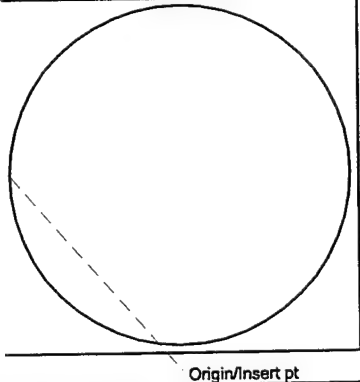
<p>———— C ————</p>	<p>———— C W R ————</p>	<p>———— C W S ————</p>
<p>Mechanical: CONDWS CONDENSER WATER SUPPLY Element type: Line</p>	<p>Mechanical: CWR CHILLED WATER RETURN Element type: Line</p>	<p>Mechanical: CWS CHILLED WATER SUPPLY Element type: Line</p>
<p>———— H C R ————</p>	<p>———— H C S ————</p>	<p>———— F I L L ————</p>
<p>Mechanical: DTR DUAL TEMPERATURE RETURN Element type: Line</p>	<p>Mechanical: DTS DUAL TEMPERATURE SUPPLY Element type: Line</p>	<p>Mechanical: FILL FILL LINE Element type: Line</p>
<p>———— G H R ————</p>	<p>———— G H S ————</p>	<p>———— H P C ————</p>
<p>Mechanical: GHR GLYCOL HEATING RETURN Element type: Line</p>	<p>Mechanical: GHS GLYCOL HEATING SUPPLY Element type: Line</p>	<p>Mechanical: HPCNDR HIGH PRESSURE CONDENSATE Element type: Line</p>

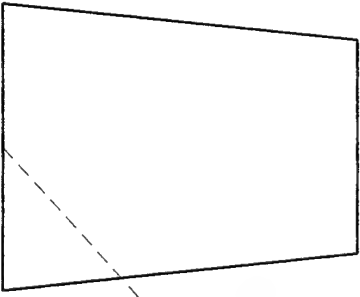
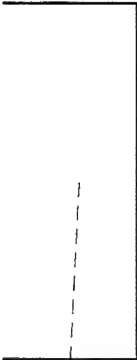

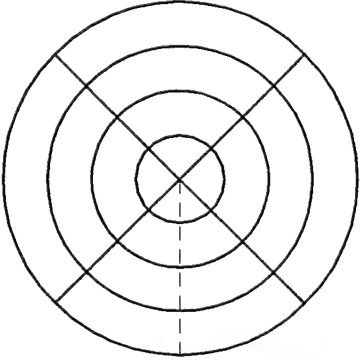
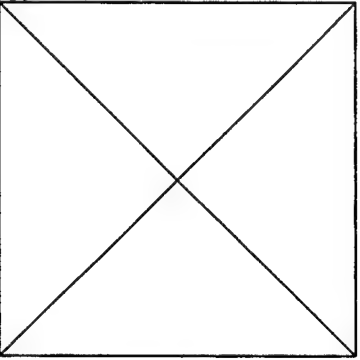



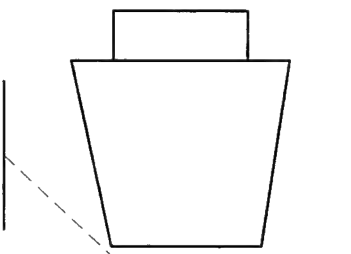
<p>—— H T W R ——</p>	<p>—— H T W S ——</p>	<p>—— H ——</p>
<p>Mechanical: HTHWR HIGH TEMP HOT WATER RETURN Element type: Line</p>	<p>Mechanical: HTHWS HIGH TEMP HOT WATER SUPPLY Element type: Line</p>	<p>Mechanical: HUMID HUMIDIFICATION LINE Element type: Line</p>
<p>—— H W R ——</p>	<p>—— H W S ——</p>	<p>—— I C W ——</p>
<p>Mechanical: HWR LOW TEMP HOT WATER RETURN Element type: Line</p>	<p>Mechanical: HWS LOW TEMP HOT WATER SUPPLY Element type: Line</p>	<p>Mechanical: ICWTR INDUSTRIAL COLD WATER Element type: Line</p>
<p>—— I H R ——</p>	<p>—— I H W ——</p>	<p>—— I W ——</p>
<p>Mechanical: IHWTRR INDUSTRIAL HOT WATER RETURN Element type: Line</p>	<p>Mechanical: IHWTRS INDUSTRIAL HOT WATER SUPPLY Element type: Line</p>	<p>Mechanical: IWASTE INDUSTRIAL WASTE Element type: Line</p>

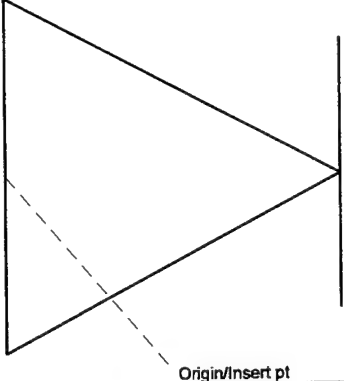
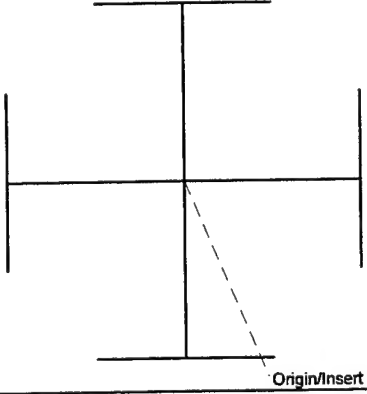
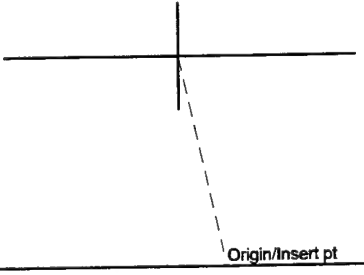
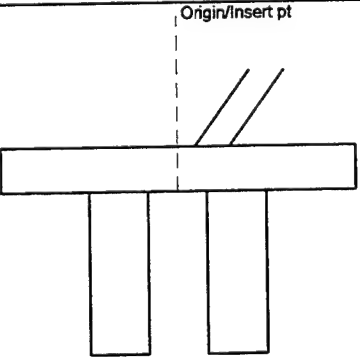
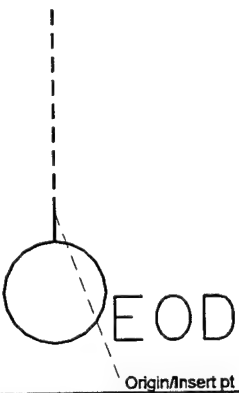
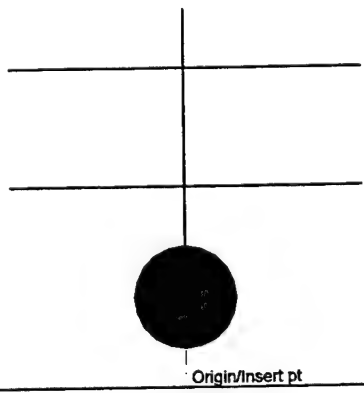
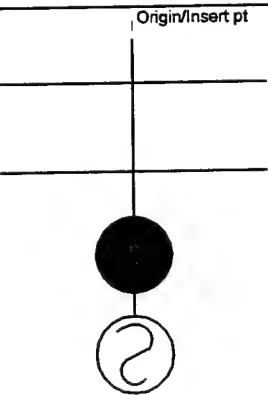
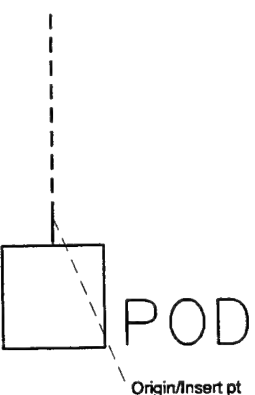
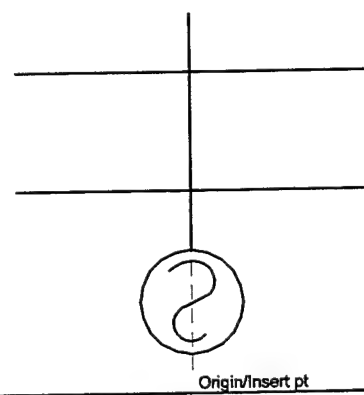
<p>—— L P C ——</p>	<p>—— M U ——</p>	<p>—— M P C ——</p>
<p>Mechanical: LPCNDR LOW PRESSURE CONDENSATE Element type: Line</p>	<p>Mechanical: MAKEUP MAKEUP WATER Element type: Line</p>	<p>Mechanical: MPCNDR MED PRESSURE CONDENSATE Element type: Line</p>
<p>—— M T W R ——</p>	<p>—— M T W S ——</p>	<p>—— N P W ——</p>
<p>Mechanical: MTHWR MED TEMP HOT WATER RETURN Element type: Line</p>	<p>Mechanical: MTHWS MED TEMP HOT WATER SUPPLY Element type: Line</p>	<p>Mechanical: NONPOT NONPOTABLE WATER Element type: Line</p>
<p>—— P N ——</p>	<p>—— R L ——</p>	<p>—— R S ——</p>
<p>Mechanical: PNTUBE PNEUMATIC TUBE RUNS Element type: Line</p>	<p>Mechanical: REFRL REFRIGERANT LIQUID Element type: Line</p>	<p>Mechanical: REFRS REFRIGERANT SUCTION Element type: Line</p>

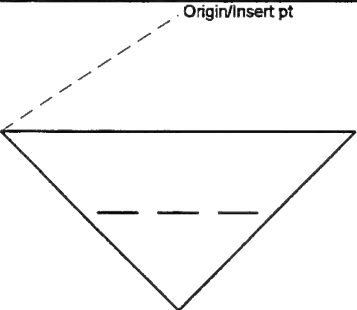
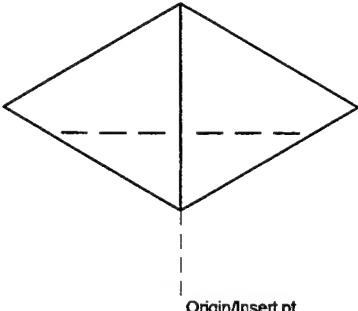
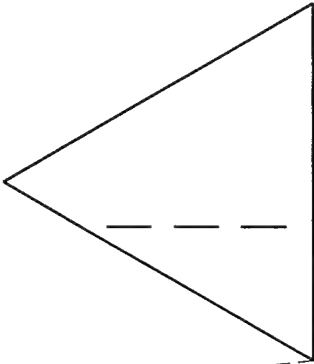
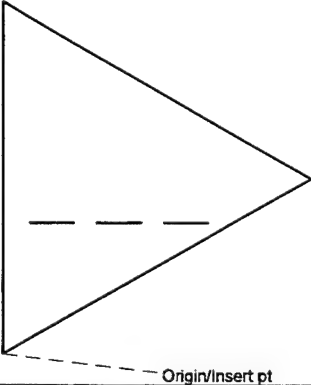
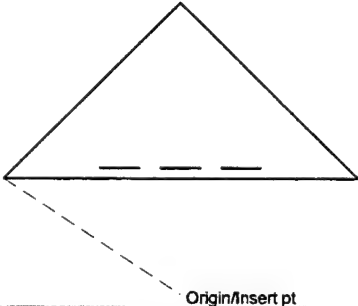
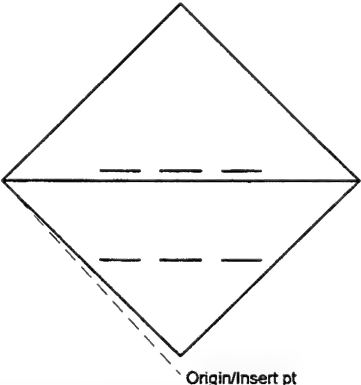
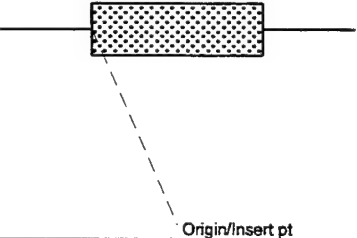
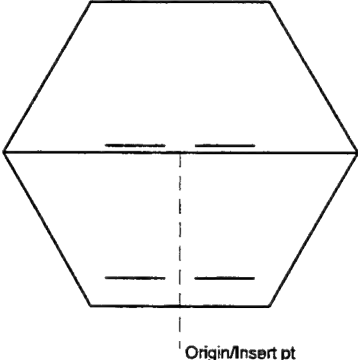
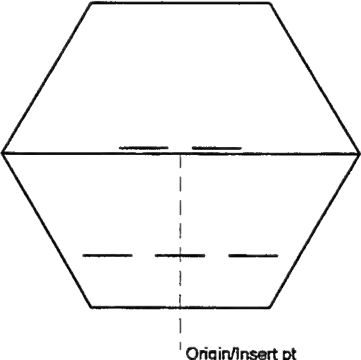
<p>—— H P S ——</p>	<p>—— L P S ——</p>	<p>—— M P S ——</p>
<p>Mechanical: STEAMH HIGH PRESSURE STEAM Element type: Line</p>	<p>Mechanical: STEAML LOW PRESSURE STEAM Element type: Line</p>	<p>Mechanical: STEAMM MED PRESSURE STEAM Element type: Line</p>
<p>(((((((((</p>	<p>—— V A C ——</p>	<p>—— V P D ——</p>
<p>Mechanical: TUVANE TURNING VANES Element type: Line</p>	<p>Mechanical: VACAIR VACUUM AIR Element type: Line</p>	<p>Mechanical: VACPD VACUUM PUMP DISCHARGE Element type: Line</p>

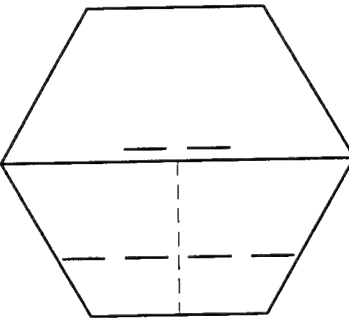
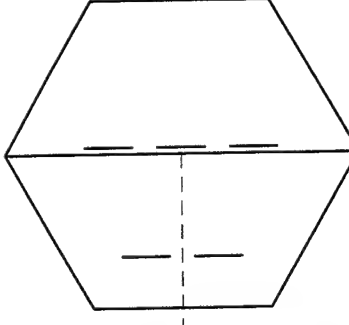
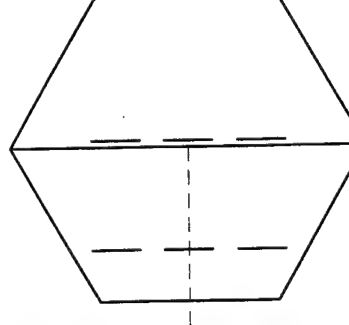
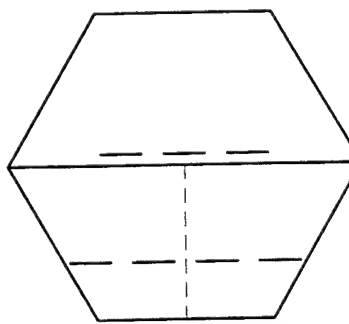
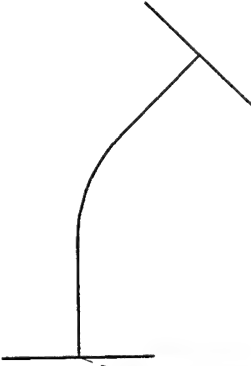
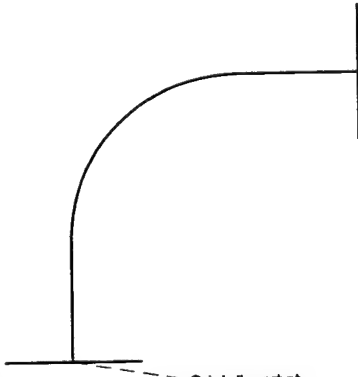
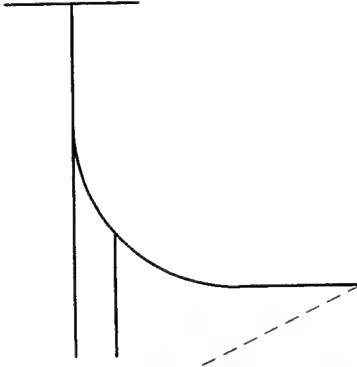
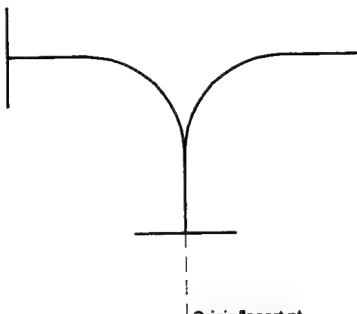
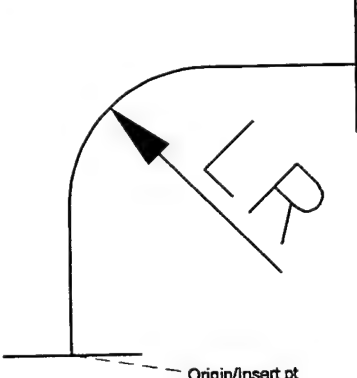
12 Mechanical Symbols Library

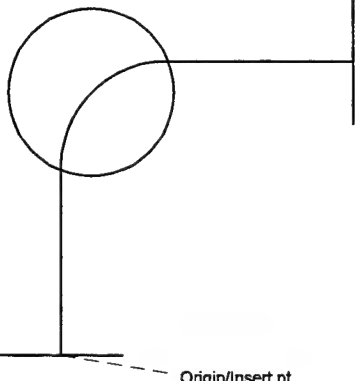
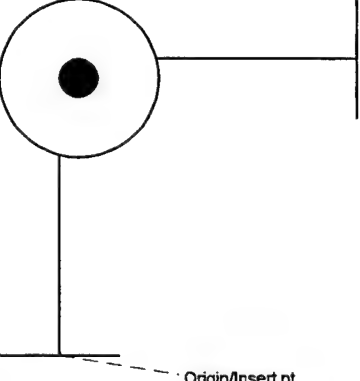
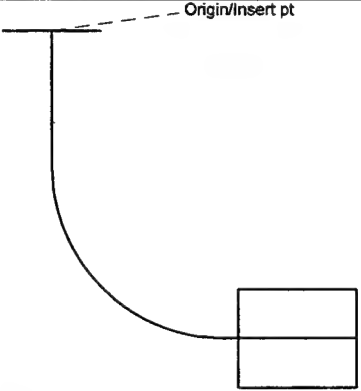
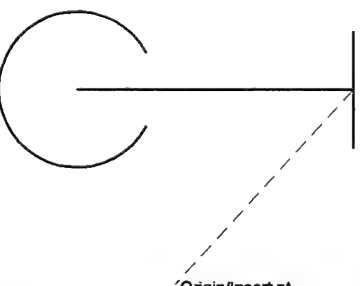
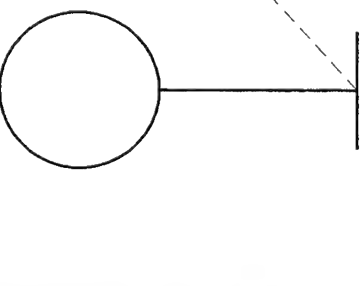
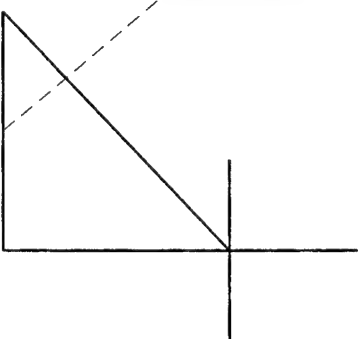
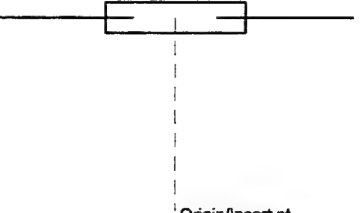
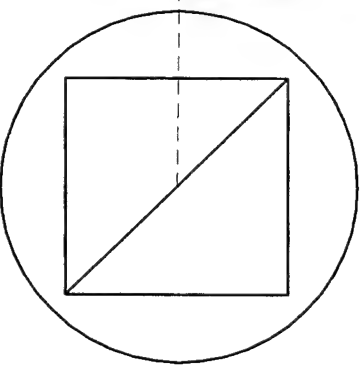
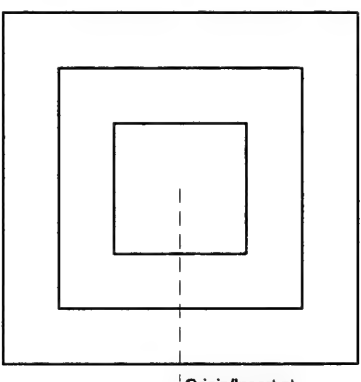
		
<p>Mechanical: ACCDOR DUCT ACCESS DOOR Element type: Symbol</p>	<p>Mechanical: AGUIDE ALIGNMENT GUIDE Element type: Symbol</p>	<p>Mechanical: AIRELM AIR ELIMINATOR Element type: Symbol</p>
		
<p>Mechanical: AIRIN AIR IN Element type: Symbol</p>	<p>Mechanical: AIRSEP AIR SEPARATOR Element type: Symbol</p>	<p>Mechanical: ANCHRI ANCHOR Element type: Symbol</p>
		
<p>Mechanical: AVENTA AUTOMATIC AIR VENT Element type: Symbol</p>	<p>Mechanical: AVENTM MANUAL AIR VENT Element type: Symbol</p>	<p>Mechanical: BALLJT BALL JOINT Element type: Symbol</p>

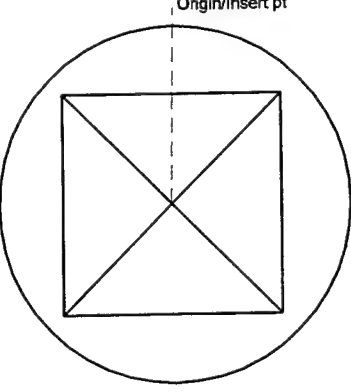
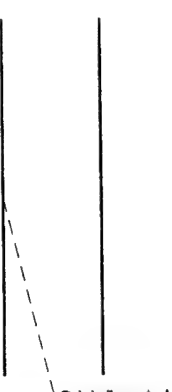
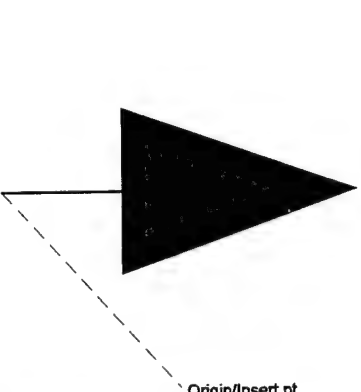
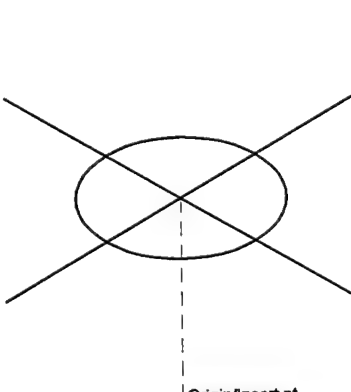
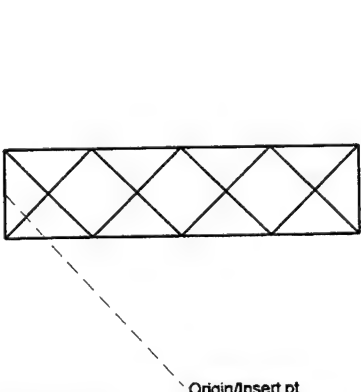
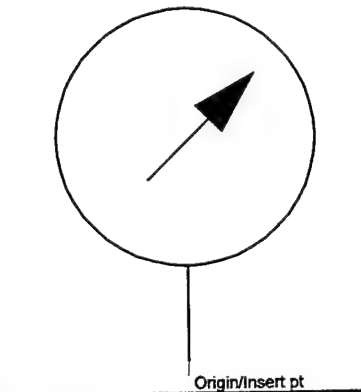
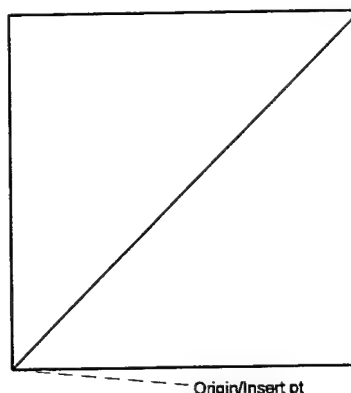
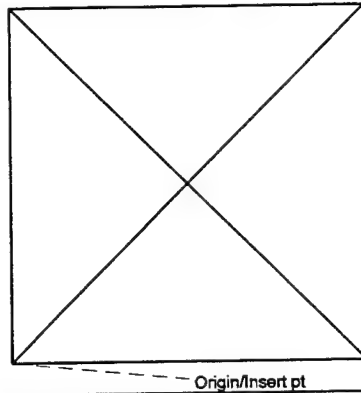
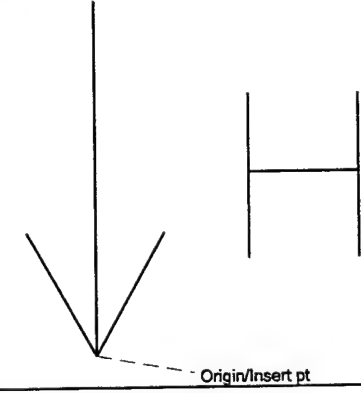
		
<p>Mechanical: BUSHSC BUSHING Element type: Symbol</p>	<p>Mechanical: CAPSC CAP Element type: Symbol</p>	<p>Mechanical: CAPTUB CAPILLARY TUBE Element type: Symbol</p>
		
<p>Mechanical: CDRND ROUND CEILING DIFFUSER Element type: Symbol</p>	<p>Mechanical: CDSQR SQUARE CEILING DIFFUSER Element type: Symbol</p>	<p>Mechanical: CFM2X3 AIRFLOW CFM Element type: Symbol</p>
		
<p>Mechanical: CFM2X4 AIRFLOW CFM Element type: Symbol</p>	<p>Mechanical: CFM3X4 AIRFLOW CFM Element type: Symbol</p>	<p>Mechanical: COCKSC COCK Element type: Symbol</p>

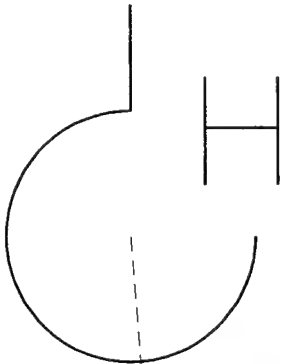
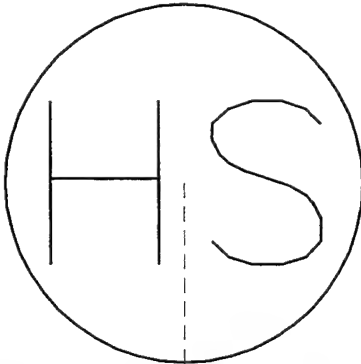
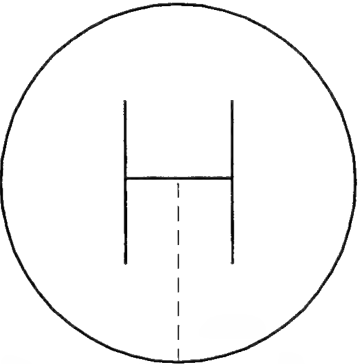
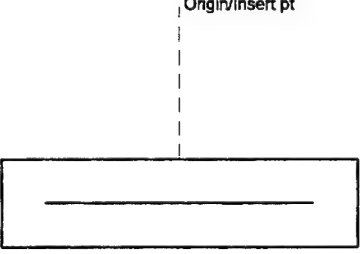
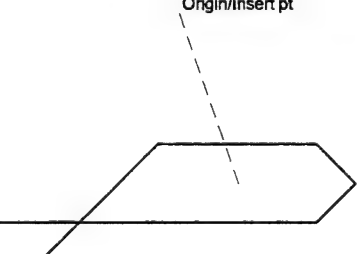
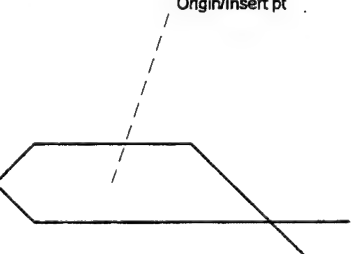
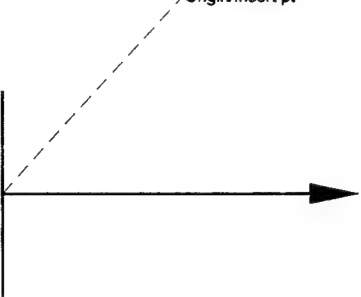
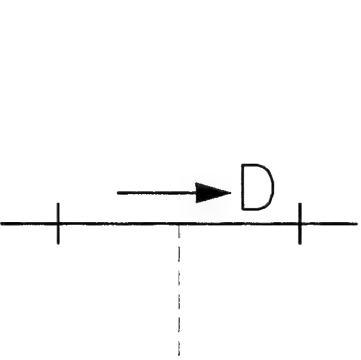
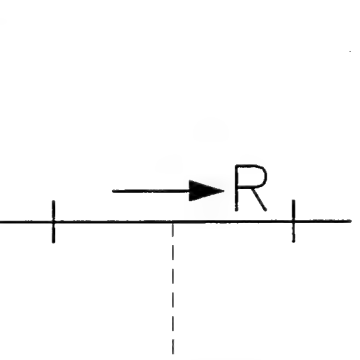
		
<p>Mechanical: CREDSC REDUCER CONCENTRIC Element type: Symbol</p>	<p>Mechanical: CRSRSC CROSS Element type: Symbol</p>	<p>Mechanical: CUPJNT COUPLING JOINT Element type: Symbol</p>
		
<p>Mechanical: DCTHTR ELECTRIC DUCT HEATER Element type: Symbol</p>	<p>Mechanical: DMPEOC ELECT OPERATED DAMPER Element type: Symbol</p>	<p>Mechanical: DMPFIR FIRE DAMPER Element type: Symbol</p>
		
<p>Mechanical: DMPFS FIRE SMOKE DAMPER Element type: Symbol</p>	<p>Mechanical: DMPPOD PNEUMATIC DAMPER Element type: Symbol</p>	<p>Mechanical: DMPSMK SMOKE DAMPER Element type: Symbol</p>

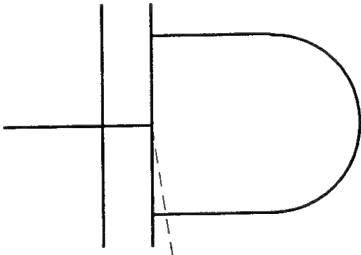
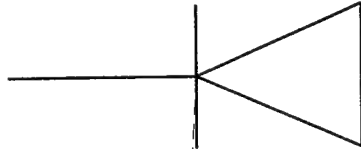
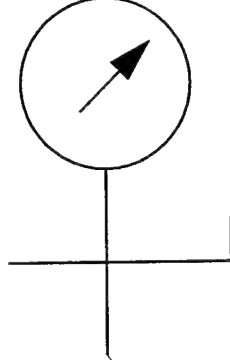
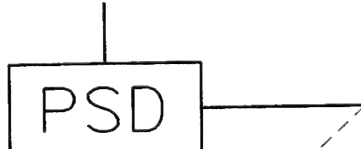
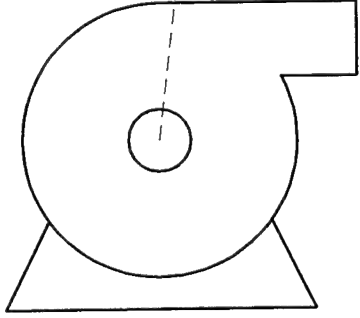
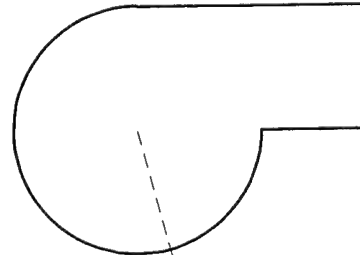
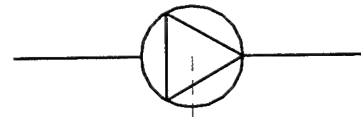

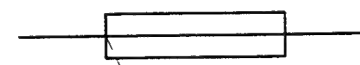
		
Mechanical: DPRSD DUCT PRESSURE CLASS DOWN Element type: Symbol	Mechanical: DPRSH DUCT PRESSURE HORIZONTAL Element type: Symbol	Mechanical: DPRSL DUCT PRESSURE LEFT Element type: Symbol
		
Mechanical: DPRSR DUCT PRESSURE RIGHT Element type: Symbol	Mechanical: DPRSU DUCT PRESSURE CLASS UP Element type: Symbol	Mechanical: DPRSV DUCT PRESSURE CLASS VERT Element type: Symbol
		
Mechanical: DRIER DRIER Element type: Symbol	Mechanical: EEQ2X2 ELEC. EQUIP 2X2 MARK Element type: Symbol	Mechanical: EEQ2X3 ELEC. EQUIP 2X3 MARK Element type: Symbol

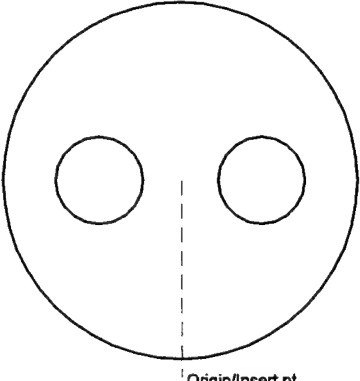
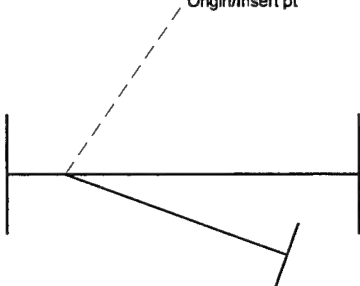
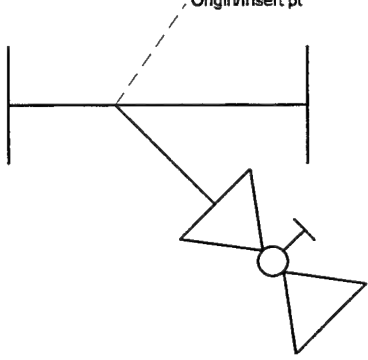
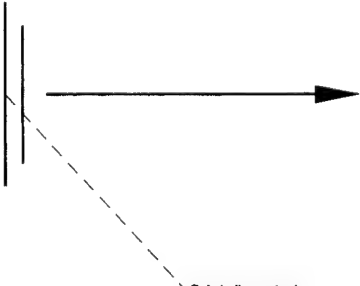
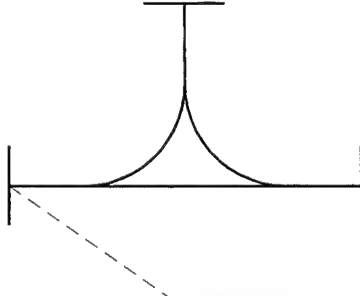
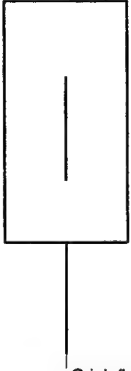
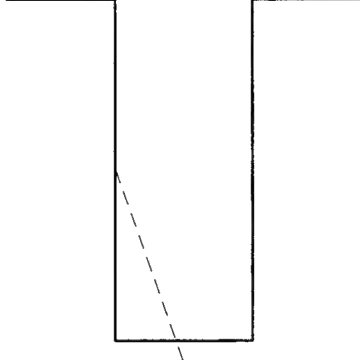
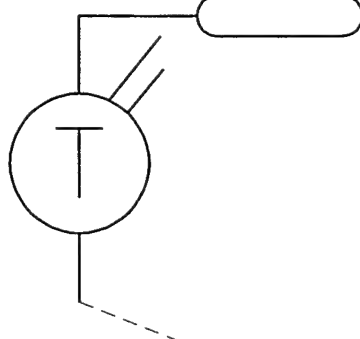
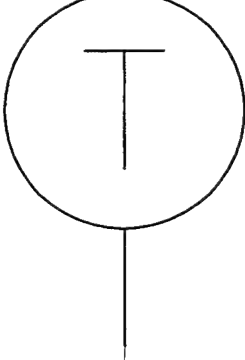
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Mechanical: EEQ2X4 ELEC EQUIP 2X4 MARK Element type: Symbol</p>	<p>Mechanical: EEQ3X2 ELEC EQUIP 3X2 MARK Element type: Symbol</p>	<p>Mechanical: EEQ3X3 ELEC EQUIP 3X3 MARK Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Mechanical: EEQ3X4 ELEC EQUIP 3X4 MARK Element type: Symbol</p>	<p>Mechanical: EL45SC 45 DEGREE ELBOW Element type: Symbol</p>	<p>Mechanical: EL90SC 90 DEGREE ELBOW Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Mechanical: ELBSC BASE ELBOW Element type: Symbol</p>	<p>Mechanical: ELDBSC DOUBLE BRANCH ELBOW Element type: Symbol</p>	<p>Mechanical: ELLRSC LONG RADIUS ELBOW Element type: Symbol</p>

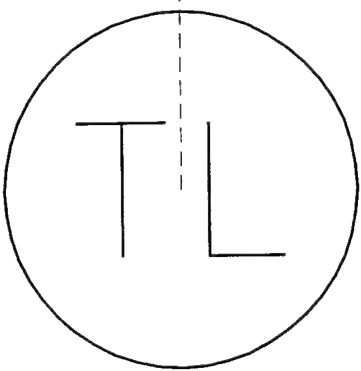
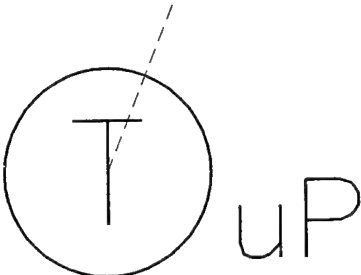
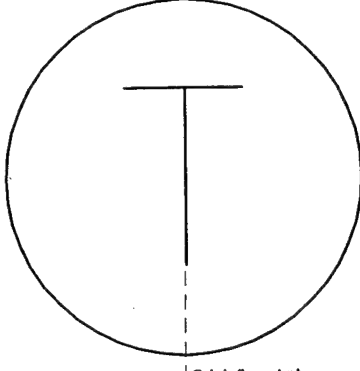
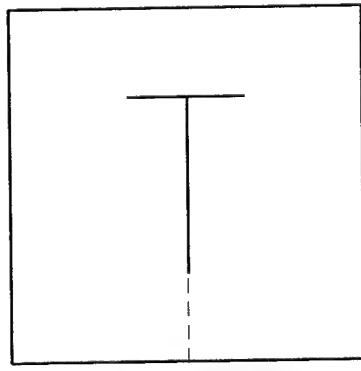
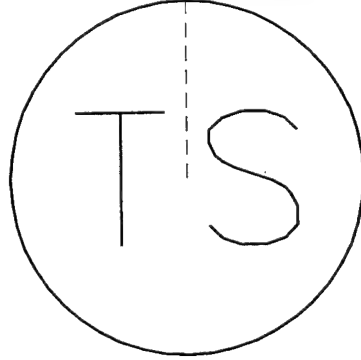
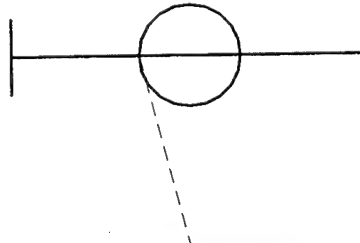
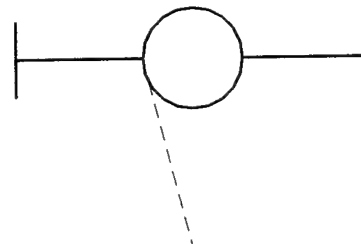
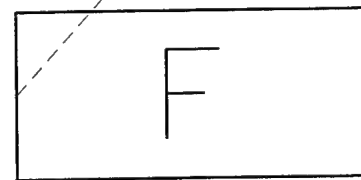
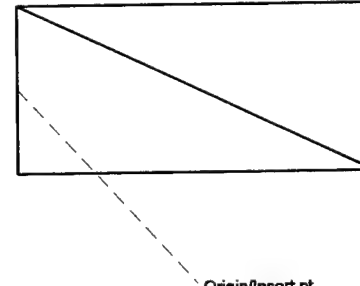
		
<p>Mechanical: EL0DSC ELBOW SIDE OUTLET DOWN Element type: Symbol</p>	<p>Mechanical: EL0USC ELBOW SIDE OUTLET UP Element type: Symbol</p>	<p>Mechanical: ELSTRT STREET ELBOW Element type: Symbol</p>
		
<p>Mechanical: ELTDSC TURNED DOWN ELBOW Element type: Symbol</p>	<p>Mechanical: ELTUSC TURNED UP ELBOW Element type: Symbol</p>	<p>Mechanical: EREDSC ECCENTRIC REDUCER Element type: Symbol</p>
		
<p>Mechanical: EXPJNT EXPANSION JOINT Element type: Symbol</p>	<p>Mechanical: FANERV EXHAUST ROOF VENT FAN Element type: Symbol</p>	<p>Mechanical: FANLRV LOUVERED ROOF VENT FAN Element type: Symbol</p>

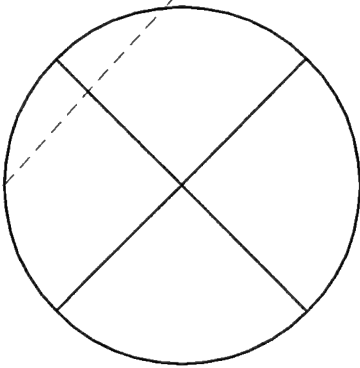
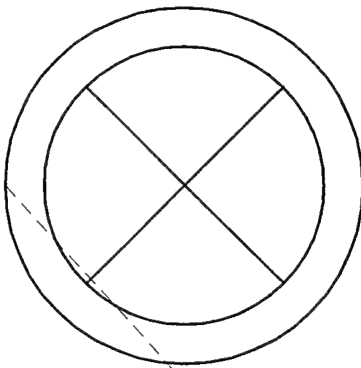
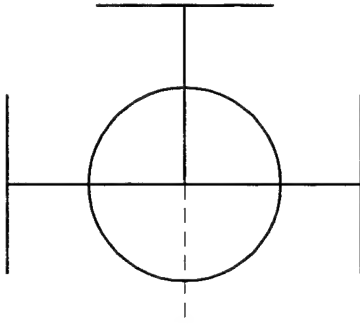
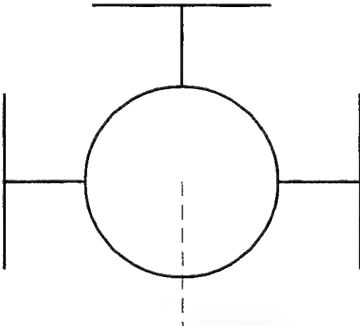
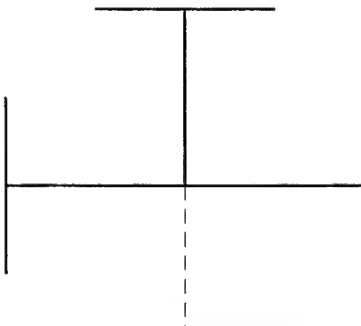
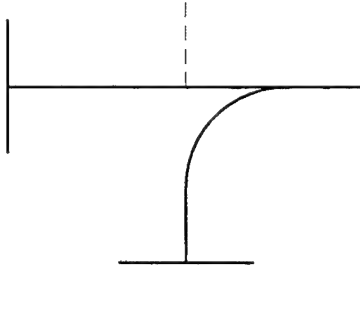
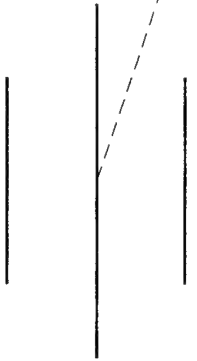
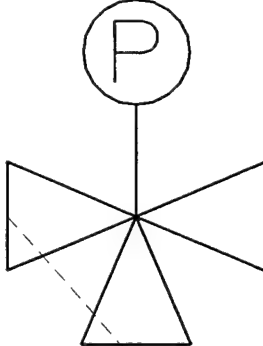
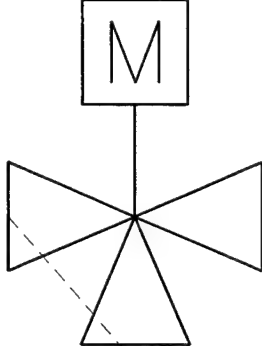
		
<p>Mechanical: FANSRV INTAKE ROOF VENT FAN Element type: Symbol</p>	<p>Mechanical: FLBLND BLIND FLANGE Element type: Symbol</p>	<p>Mechanical: FLOW1 AIR FLOW DIRECTION ARROW Element type: Symbol</p>
		
<p>Mechanical: FLRPEN FLOOR PENETRATION ISO Element type: Symbol</p>	<p>Mechanical: FLXCON FLEXIBLE CONNECTOR Element type: Symbol</p>	<p>Mechanical: GAUGE GAUGE Element type: Symbol</p>
		
<p>Mechanical: GRILEX EXHAUST GRILLE Element type: Symbol</p>	<p>Mechanical: GRILSU SUPPLY GRILLE Element type: Symbol</p>	<p>Mechanical: HANGRD HANGER ROD Element type: Symbol</p>

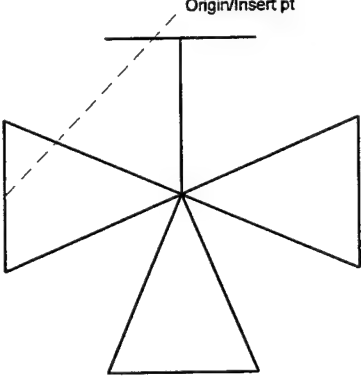
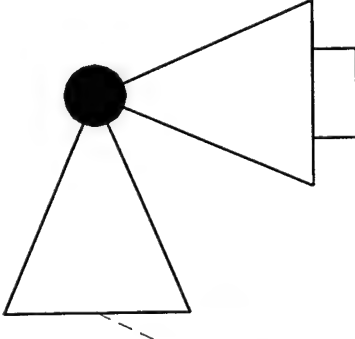
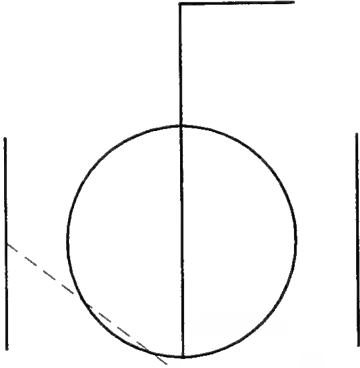
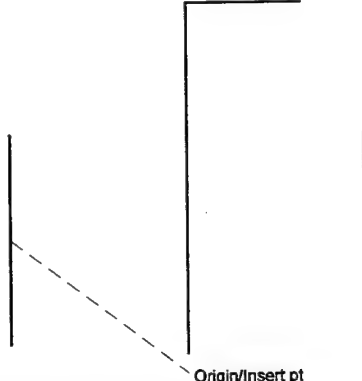
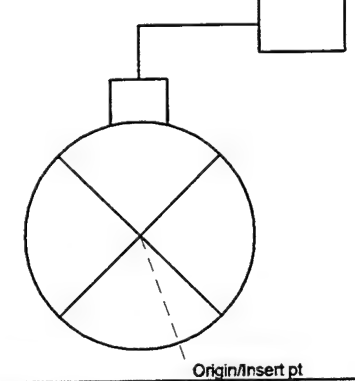
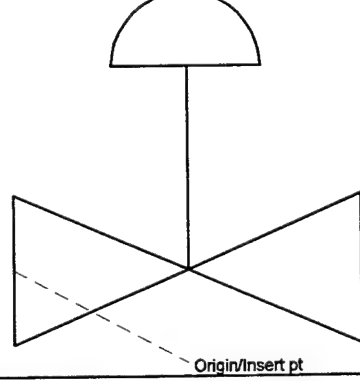
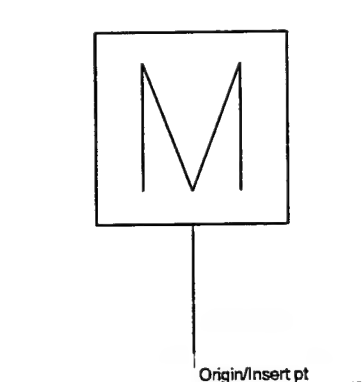
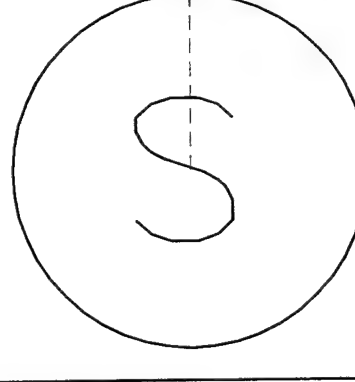
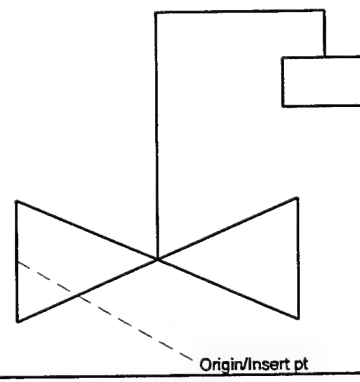
		
<p>Mechanical: HANGSP HANGER SPRING Element type: Symbol</p>	<p>Mechanical: HSENS HUMIDITY SENSOR Element type: Symbol</p>	<p>Mechanical: HSTAT HUMIDISTAT Element type: Symbol</p>
		
<p>Mechanical: LNDIFF LINEAR DIFFUSER Element type: Symbol</p>	<p>Mechanical: LOOPL LEFT DIMENSION LOOP Element type: Symbol</p>	<p>Mechanical: LOOPR RIGHT DIMENSION LOOP Element type: Symbol</p>
		
<p>Mechanical: LOUOPN DOOR OR WALL LOUVER Element type: Symbol</p>	<p>Mechanical: PIDROP PITCH OR PIPE DROP Element type: Symbol</p>	<p>Mechanical: PIRISE PITCH OR PIPE RISE Element type: Symbol</p>

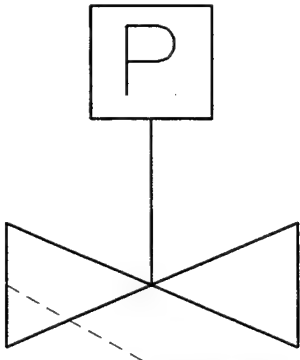
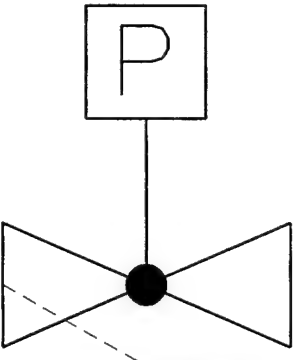
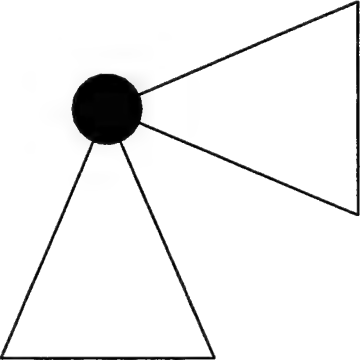
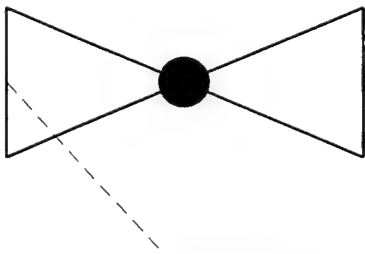
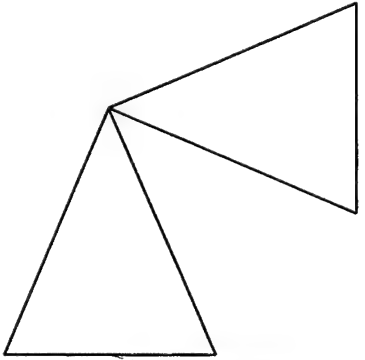
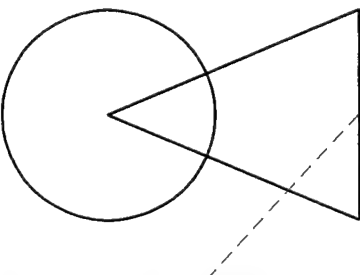
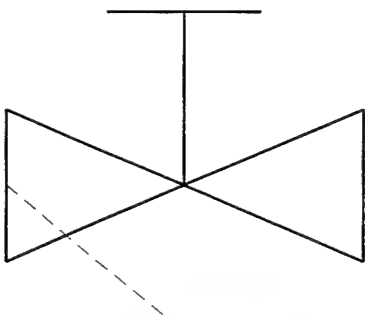
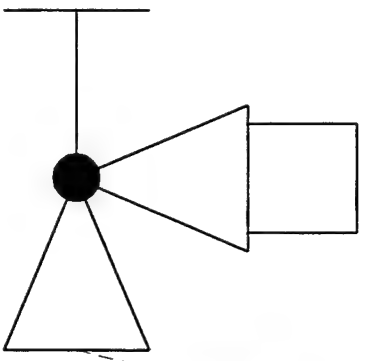
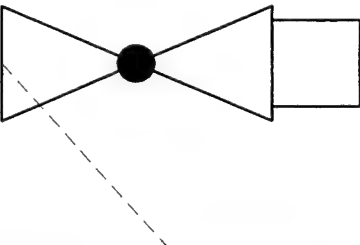
		
<p>Mechanical: PLGBFL BULL PLUG FLANGED Element type: Symbol</p>	<p>Mechanical: PLGPSC PIPE PLUG Element type: Symbol</p>	<p>Mechanical: PRGGCO PRESSURE GAGE AND COCK Element type: Symbol</p>
		
<p>Mechanical: PSDIFF PUMP SUCTION DIFFUSER Element type: Symbol</p>	<p>Mechanical: PUMP PUMP Element type: Symbol</p>	<p>Mechanical: PUMPP PUMP SCHEMATIC Element type: Symbol</p>
		
<p>Mechanical: PUMPS INLINE PUMP Element type: Symbol</p>	<p>Mechanical: SCALET SCALE TRAP Element type: Symbol</p>	<p>Mechanical: SLEEVE SLEEVE Element type: Symbol</p>

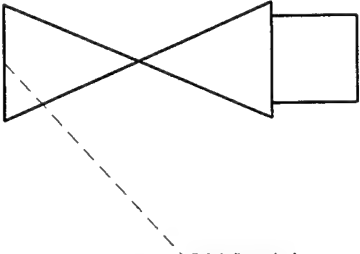
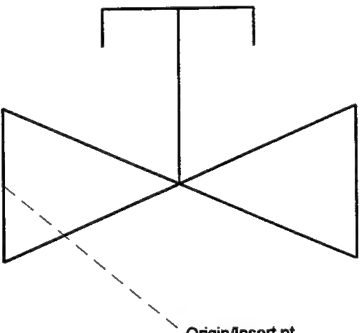
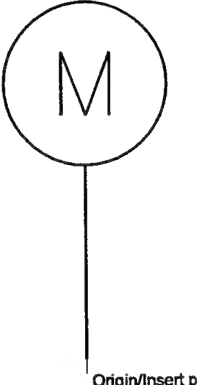
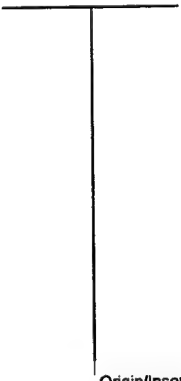
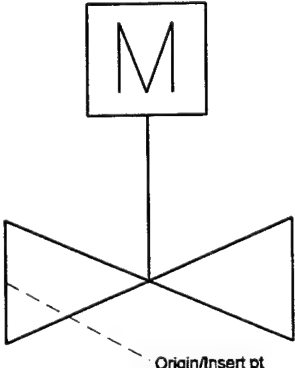
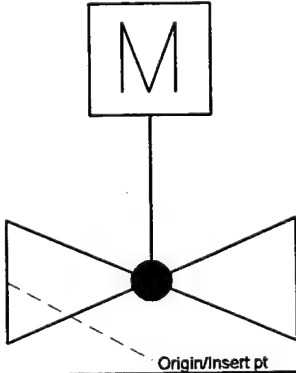
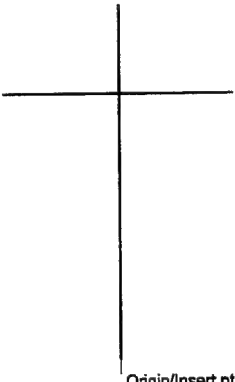
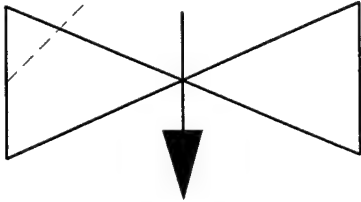
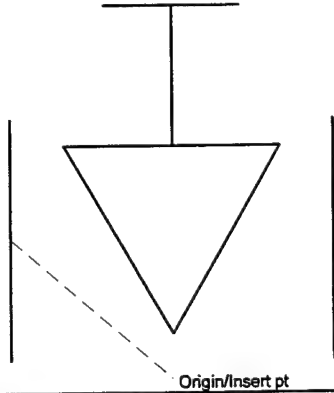
		
<p>Mechanical: STGLAS SIGHT GLASS Element type: Symbol</p>	<p>Mechanical: STRAIN STRAINER Element type: Symbol</p>	<p>Mechanical: STRBLO BLOW OFF STRAINER Element type: Symbol</p>
		
<p>Mechanical: SUPOUT SUPPLY OUTLET WALL SUPPLY Element type: Symbol</p>	<p>Mechanical: TDSSC DOUBLE SWEEP TEE Element type: Symbol</p>	<p>Mechanical: THERM THERMOMETER Element type: Symbol</p>
		
<p>Mechanical: THERMW THERMOMETER WELL Element type: Symbol</p>	<p>Mechanical: THHRB THERMOSTAT REMOTE BULB Element type: Symbol</p>	<p>Mechanical: THHSC THERMOSTAT SELFCONTAINED Element type: Symbol</p>

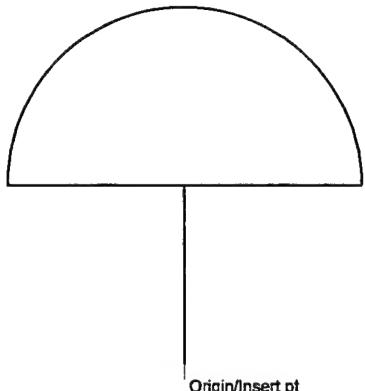
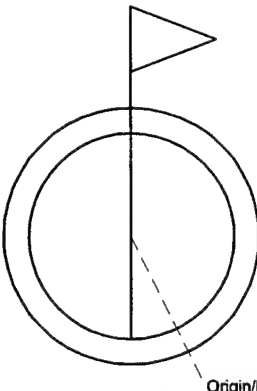
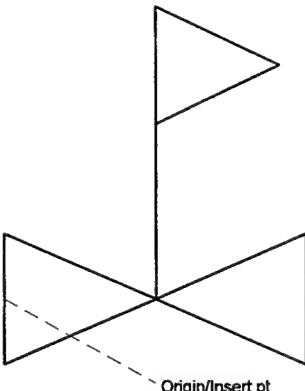
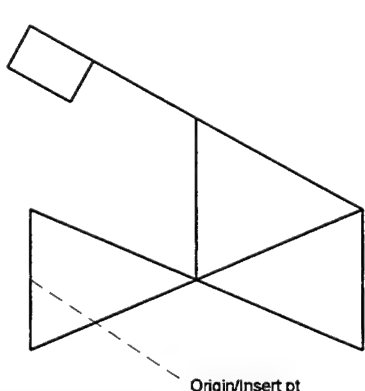
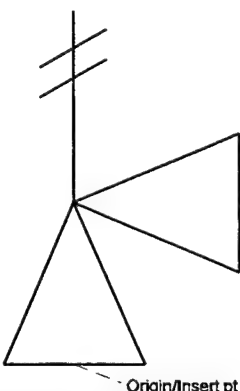
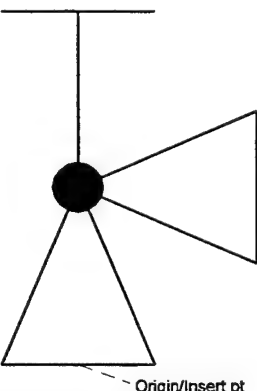
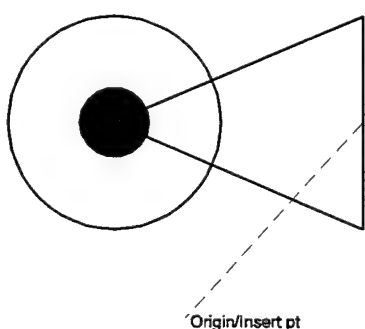
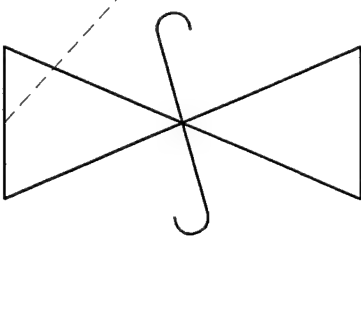
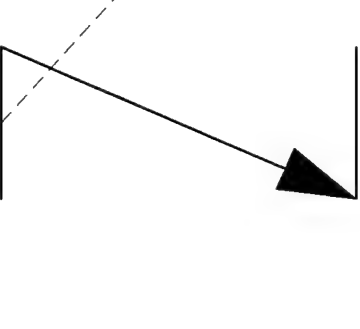
		
<p>Mechanical: THLPRS THERMOSTAT LOW PRESSURE Element type: Symbol</p>	<p>Mechanical: THMCP MICROPROCESSOR THERMOSTAT Element type: Symbol</p>	<p>Mechanical: THPELE THERMOSTAT ELECTRIC Element type: Symbol</p>
		
<p>Mechanical: THPPNE THERMOSTAT PNEUMATIC PIPE Element type: Symbol</p>	<p>Mechanical: TMPSEN TEMPERATURE SENSOR Element type: Symbol</p>	<p>Mechanical: TODSC TEE OUTLET DOWN Element type: Symbol</p>
		
<p>Mechanical: TOUSC TEE OUTLET UP Element type: Symbol</p>	<p>Mechanical: TRAPFL FLOAT TRAP Element type: Symbol</p>	<p>Mechanical: TRAPFT FLOAT THERMOSTATIC TRAP Element type: Symbol</p>

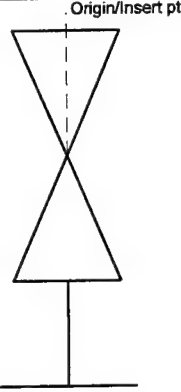
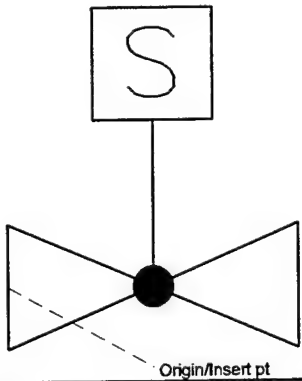
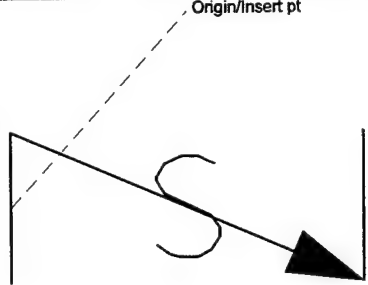
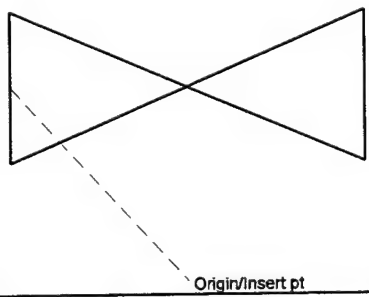
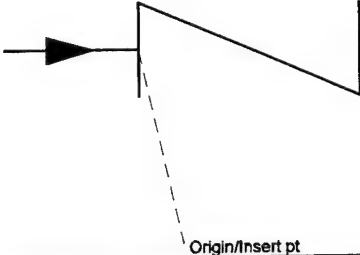
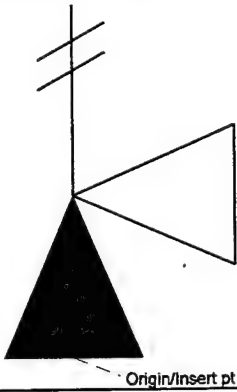
		
<p>Mechanical: TRAPST STEAM TRAP Element type: Symbol</p>	<p>Mechanical: TRAPT THERMOSTATIC BLAST TRAP Element type: Symbol</p>	<p>Mechanical: TSODSC TEE SIDE OUTLET DOWN Element type: Symbol</p>
		
<p>Mechanical: TSOUSC TEE SIDE OUTLET UP Element type: Symbol</p>	<p>Mechanical: TSSC TEE Element type: Symbol</p>	<p>Mechanical: TSSWSC SINGLE SWEEP TEE Element type: Symbol</p>
		
<p>Mechanical: UNIOSC UNION Element type: Symbol</p>	<p>Mechanical: VA3WAM 3WAY AIMOTOR CONTRLER Element type: Symbol</p>	<p>Mechanical: VA3WEM 3WAY ELECMTOR CONTRLE Element type: Symbol</p>

		
<p>Mechanical: VA3WM 3 WAY MANUAL VALVE Element type: Symbol</p>	<p>Mechanical: VAAHOS ANGLE HOSE VALVE Element type: Symbol</p>	<p>Mechanical: VABALL BALL VALVE PLAN Element type: Symbol</p>
		
<p>Mechanical: VABFLY BUTTERFLY VALVE Element type: Symbol</p>	<p>Mechanical: VACWR CONDENS WATER REGULAT VALVE Element type: Symbol</p>	<p>Mechanical: VADISC DIAPHRAGM VALVE Element type: Symbol</p>
		
<p>Mechanical: VAE MTR PNEUMATIC MOTOR Element type: Symbol</p>	<p>Mechanical: VAESOL SOLENOID VALVE ACTUATOR Element type: Symbol</p>	<p>Mechanical: VAF LSC FLOAT VALVE Element type: Symbol</p>




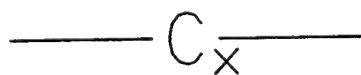
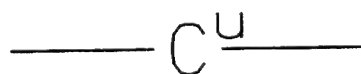
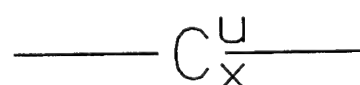

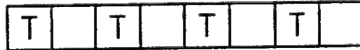
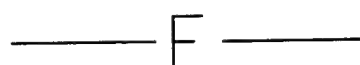
		
<p>Mechanical: VAGAMC PNEUMATIC CTRLD GATE VALVE Element type: Symbol</p>	<p>Mechanical: VAGLAM PNEUMATIC CTRLD GLOBE VLV Element type: Symbol</p>	<p>Mechanical: VAGLE ANGLE GLOBE VALVE Element type: Symbol</p>
		
<p>Mechanical: VAGLSE GLOBE VALVE Element type: Symbol</p>	<p>Mechanical: VAGSE ANGLE GATE VALVE Element type: Symbol</p>	<p>Mechanical: VAGSP ANGLE GATE VALVE PLAN Element type: Symbol</p>
		
<p>Mechanical: VAGTSE GATE VALVE Element type: Symbol</p>	<p>Mechanical: VAHASC GATE VALVE PLAN Element type: Symbol</p>	<p>Mechanical: VAHGLS HOSE GLOBE VALVE Element type: Symbol</p>

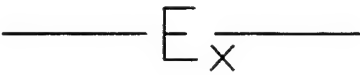

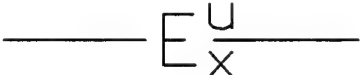


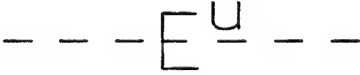
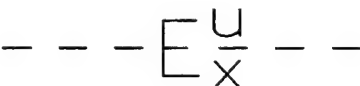
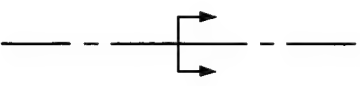
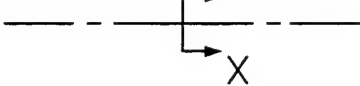
		
<p>Mechanical: VAHGSC HOSE GATE VALVE Element type: Symbol</p>	<p>Mechanical: VALSSC LOCK SHIELD VALVE Element type: Symbol</p>	<p>Mechanical: VAMAGS MAGNETIC STOP VALVE Element type: Symbol</p>
		
<p>Mechanical: VAMNNS VLV ACTUA MAN NONRISINGSTEM Element type: Symbol</p>	<p>Mechanical: VAMOGS MOTOR OPERATD GATE VALVE Element type: Symbol</p>	<p>Mechanical: VAMOLS MOTOR OPERATD GLOBE VALVE Element type: Symbol</p>
		
<p>Mechanical: VAMOSY VLV ACTOR MAN OUTSTEM Element type: Symbol</p>	<p>Mechanical: VANEED NEEDLE VALVE Element type: Symbol</p>	<p>Mechanical: VAPLUG PLUG VALVE Element type: Symbol</p>


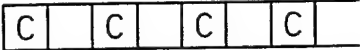
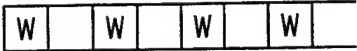
		
<p>Mechanical: VAPMTD VALVE ACTUATOR PNEUMOT Element type: Symbol</p>	<p>Mechanical: VAPRED PRESSURE REDUCING VALVE Element type: Symbol</p>	<p>Mechanical: VAPRRD PRESSURE REDUCING VALVE Element type: Symbol</p>
		
<p>Mechanical: VAQOSC QUICK OPENING VALVE Element type: Symbol</p>	<p>Mechanical: VARELF RELIEF OR SAFETY VALVE Element type: Symbol</p>	<p>Mechanical: VASCE ANGLE GLOBE VALVE ELEVATION Element type: Symbol</p>
		
<p>Mechanical: VASCP ANGLE GLOBE VALVE PLAN Element type: Symbol</p>	<p>Mechanical: VASFSC SAFETY VALVE Element type: Symbol</p>	<p>Mechanical: VASGCH SWING GATE CHECK VALVE Element type: Symbol</p>

		
<p>Mechanical: VASNAP SNAP ACTION VALVE Element type: Symbol</p>	<p>Mechanical: VASOLN SOLENOID VALVE Element type: Symbol</p>	<p>Mechanical: VASPCH SPRING CHECK VALVE Element type: Symbol</p>
		
<p>Mechanical: VASTSC GATE VALVE Element type: Symbol</p>	<p>Mechanical: VASWSC STRAIGHT WAY CHECK VALVE Element type: Symbol</p>	<p>Mechanical: VATPR TEMP PRESSURE RELIEF VALVE Element type: Symbol</p>

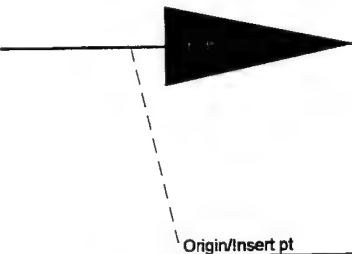
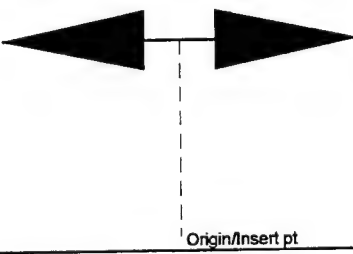
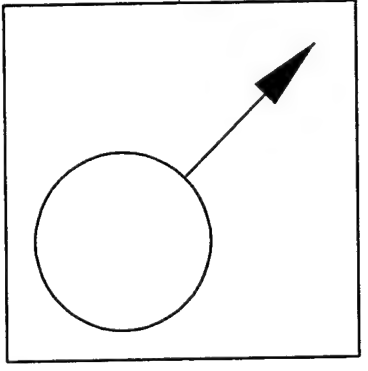


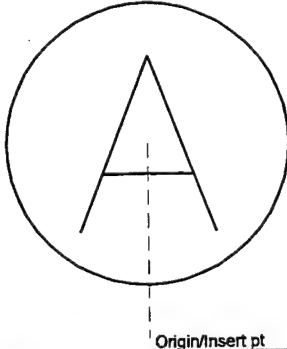
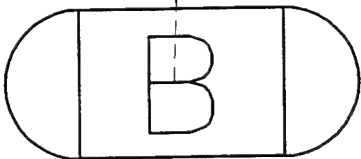
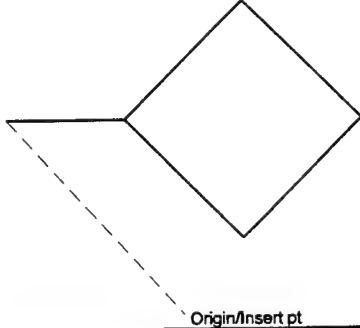
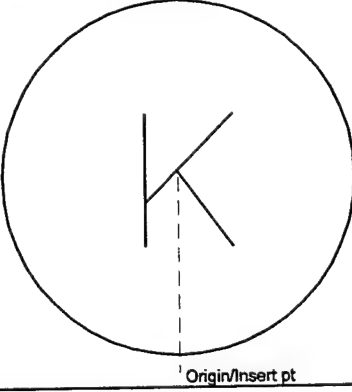
13 Electrical Lines Library

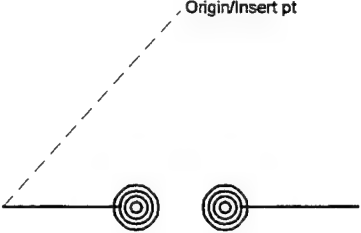
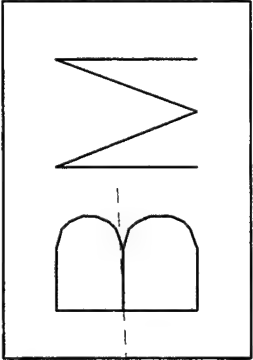
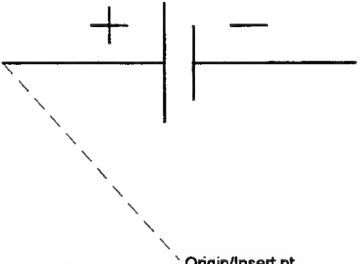
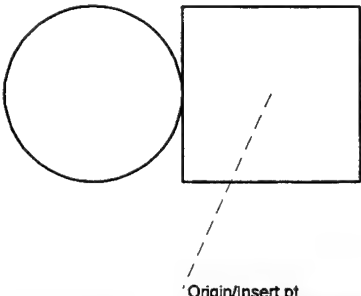
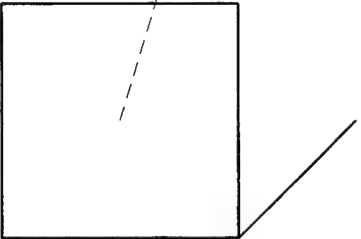
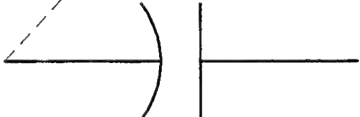

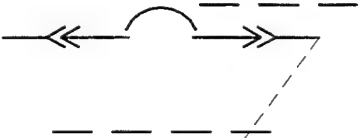

		
Electrical: BUSWAY BUSWAY Element type: Line	Electrical: CABLTV CABLE TV Element type: Line	Electrical: COMARN NEW COMMUNICATION AERIAL Element type: Line
		
Electrical: COMARX EXIST COMMUNICATION AERIAL Element type: Line	Electrical: COMUGN NEW COMMUNICATION UNDERG Element type: Line	Electrical: COMUGX EXIST COMMUNICATION UNDERG Element type: Line
		
Electrical: CONDFL FLEXIBLE CONDUIT Element type: Line	Electrical: DUCTTR TROLLEY DUCT Element type: Line	Electrical: EPARN NEW ELEC AERIAL PRIMARY Element type: Line

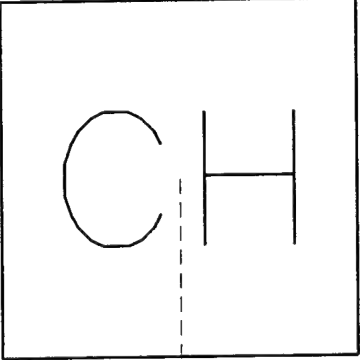
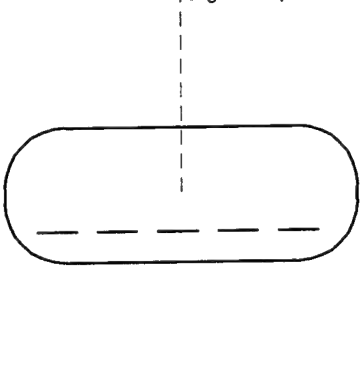
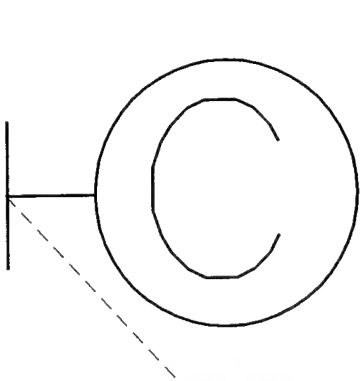
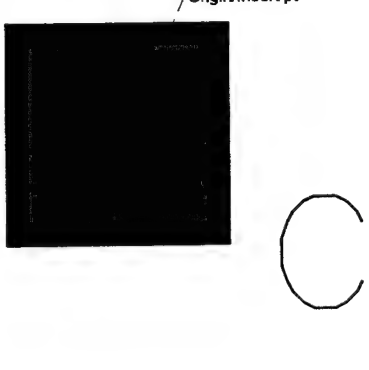
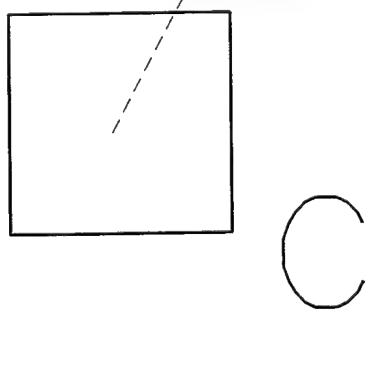
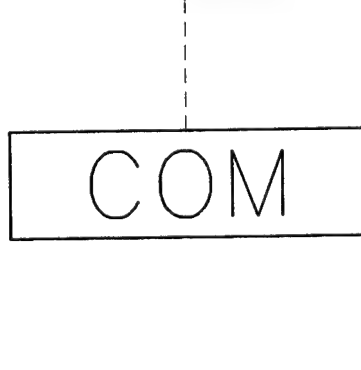
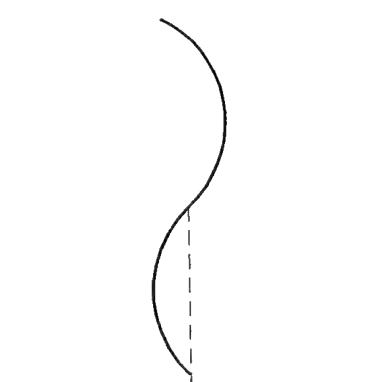
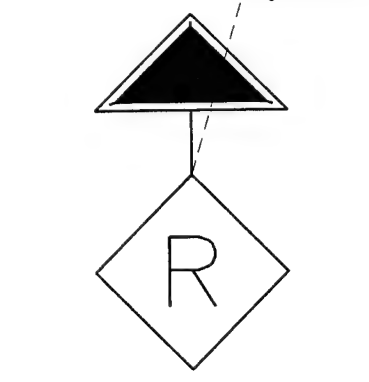
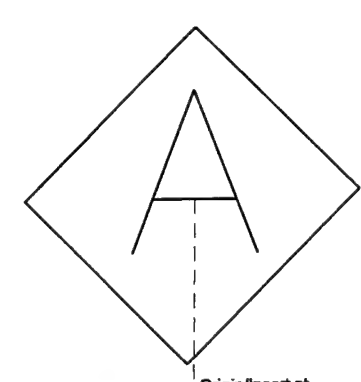
		
Electrical:EPARX EXIST ELEC AERIAL PRIMARY Element type: Line	Electrical:EPUGN NEW ELEC UNDERG PRIMARY Element type: Line	Electrical:EPUGX EXIST ELEC UNDERG PRIMARY Element type: Line
		
Electrical:ESARN NEW ELEC AERIAL SEC Element type: Line	Electrical:ESARX EXIST ELEC AERIAL SEC Element type: Line	Electrical:ESUGN NEW ELEC UNDERG SEC Element type: Line
		
Electrical:ESUGX EXIST ELEC UNDERG SEC Element type: Line	Electrical:EUDUCN NEW UNDERGROUND DUCT BANK Element type: Line	Electrical:EUDUCX EXIST UNDERGROUND DUCT BANK Element type: Line

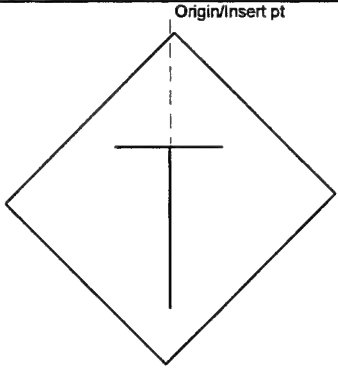
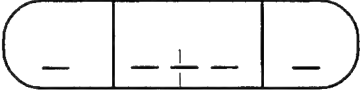
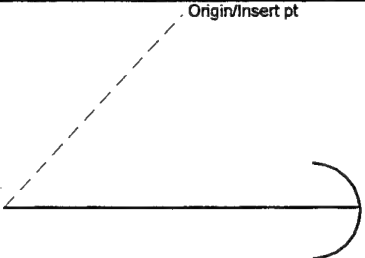
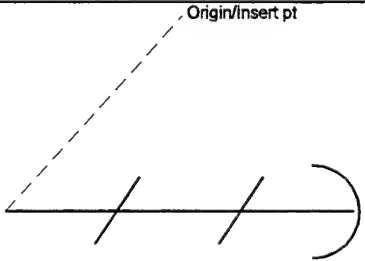
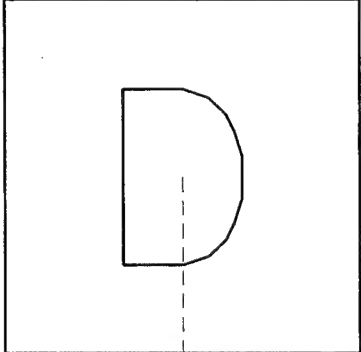
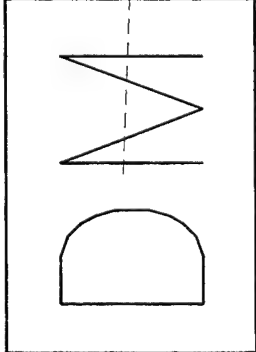
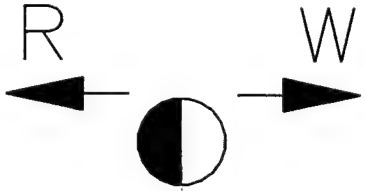
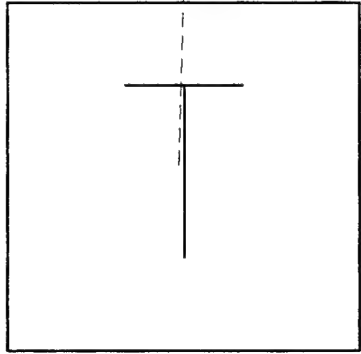
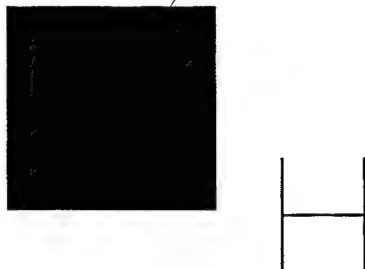
		
Electrical: FIBOPT FIBER OPTICS LINE Element type: Line	Electrical: LADDER CABLE LADDER Element type: Line	Electrical: WIREWY WIREWAY Element type: Line

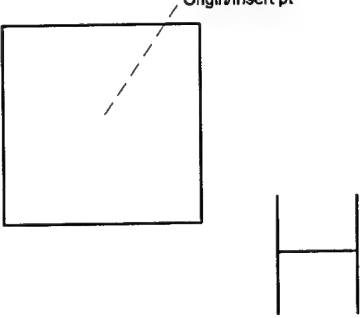
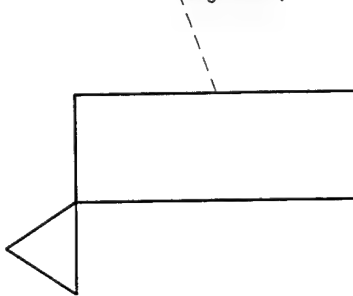
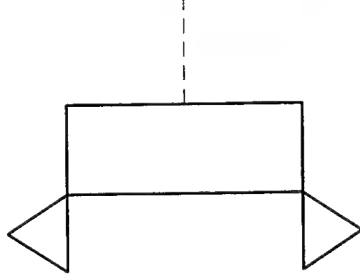
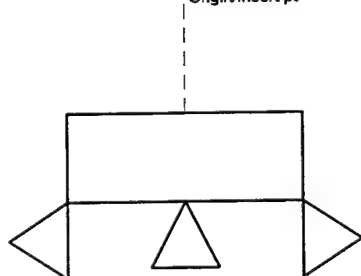
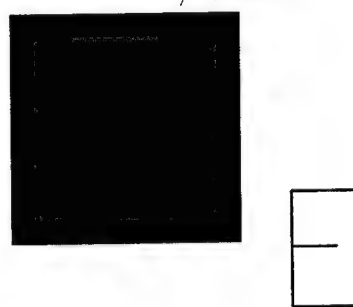
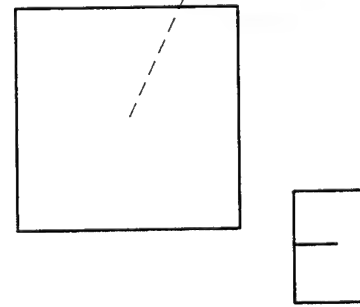
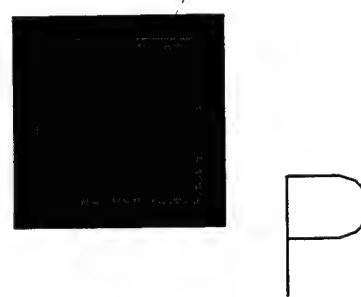
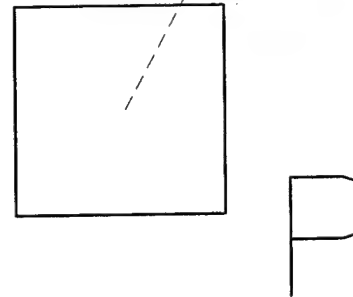
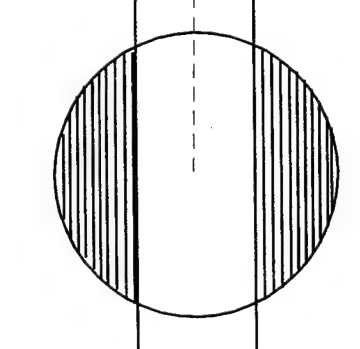
13 Electrical Symbols Library

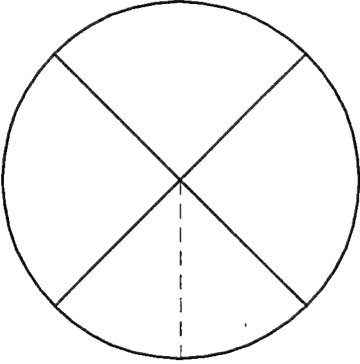
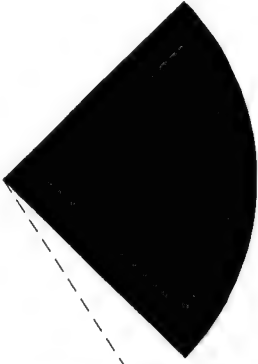
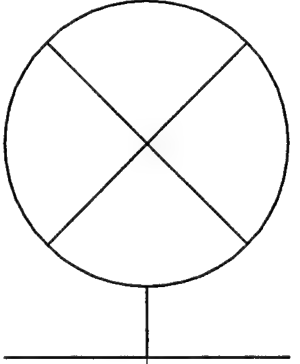
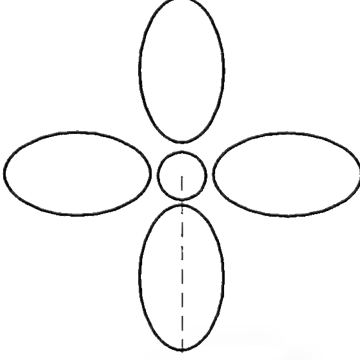
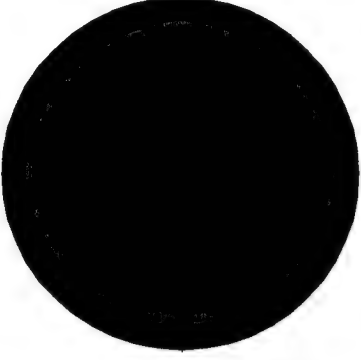
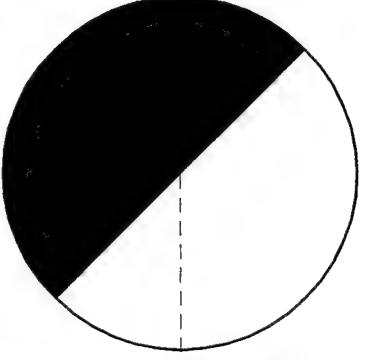
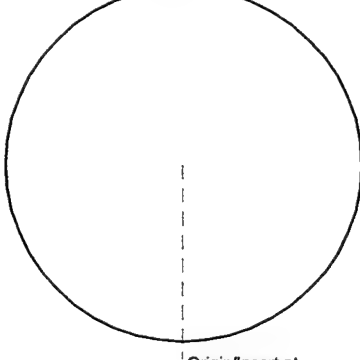
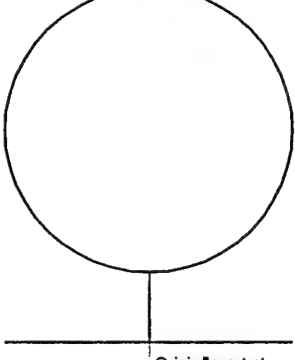
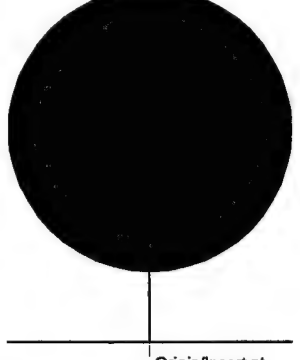
		
<p>Electrical:1DIR DIRECTION ARROW Element type: Symbol</p>	<p>Electrical:2DIR DOUBLE DIRECTION ARROW Element type: Symbol</p>	<p>Electrical:ACCBIO BIOMETRIC ACCESS CONTROL Element type: Symbol</p>
		
<p>Electrical:ACLEL APPROACH LIGHTBAR_ELEVATED Element type: Symbol</p>	<p>Electrical:ACLLSF APPROACH LIGHTBAR_SEMIFLUSH Element type: Symbol</p>	<p>Electrical:AEROD AERIAL ROD Element type: Symbol</p>
		
<p>Electrical:AFBCN AIRFIELD BEACON Element type: Symbol</p>	<p>Electrical:ANNUN ANNUNCIATOR Element type: Symbol</p>	<p>Electrical:ANNUNT LOCAL CNTRL ANNUNCIATON UNT Element type: Symbol</p>

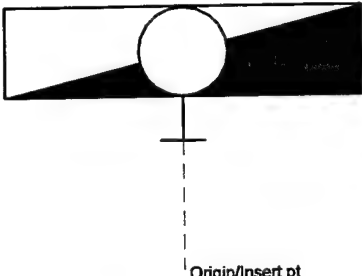
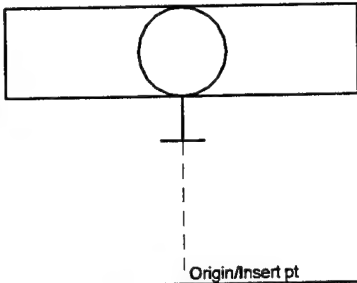
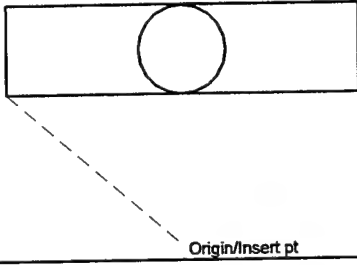
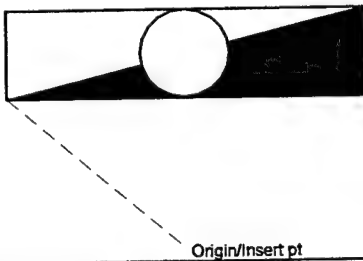
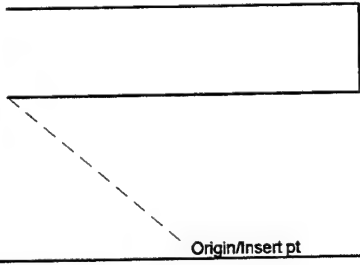
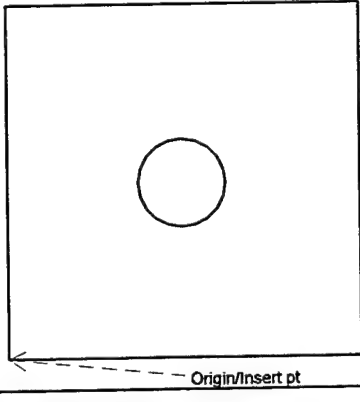
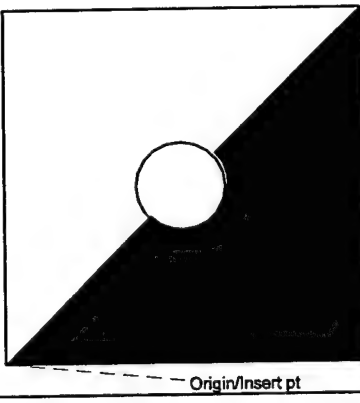
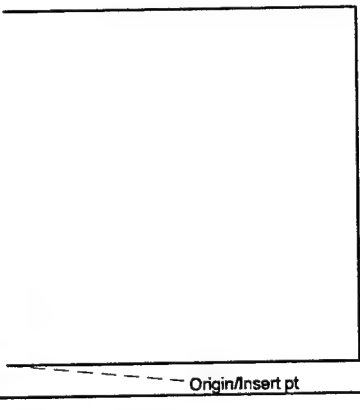
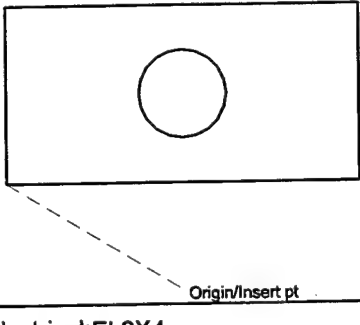
		
<p>Electrical:ARREST LIGHTNING ARRESTOR Element type: Symbol</p>	<p>Electrical:BARMKR BARRIER MARKER Element type: Symbol</p>	<p>Electrical:BATTERY BATTERY Element type: Symbol</p>
		
<p>Electrical:BELL BELL Element type: Symbol</p>	<p>Electrical:BUZZER BUZZER Element type: Symbol</p>	<p>Electrical:CAPCTR CAPACITOR Element type: Symbol</p>
		
<p>Electrical:CARDRD CARD READER Element type: Symbol</p>	<p>Electrical:CBDO DRAWOUT CIRCUIT BREAKER Element type: Symbol</p>	<p>Electrical:CBMCAS MOLDED CASE CKT BREAKER Element type: Symbol</p>

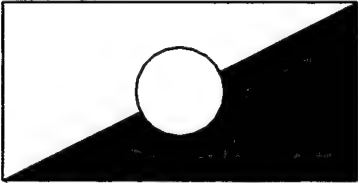
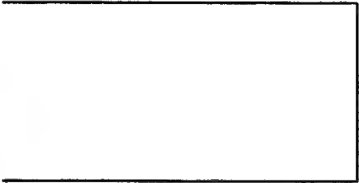
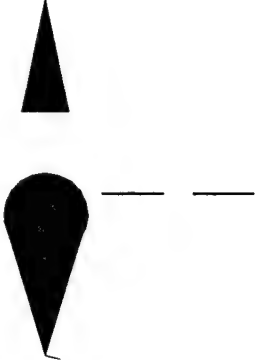
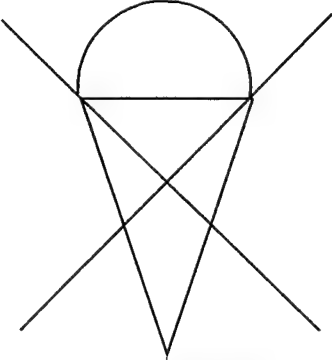
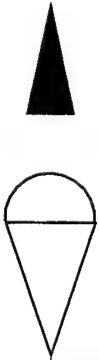

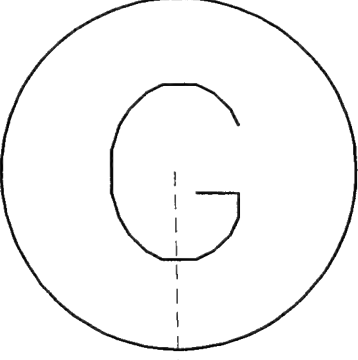
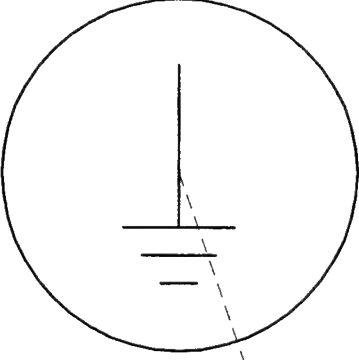
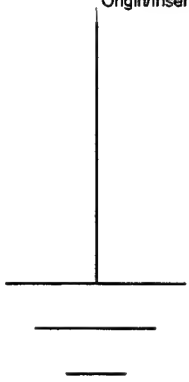
		
<p>Electrical:CHIME CHIME Element type: Symbol</p>	<p>Electrical:CKTID CIRCUIT ID SYMBOL Element type: Symbol</p>	<p>Electrical:CLOCKW CLOCK OUTLET WALL MOUNTED Element type: Symbol</p>
		
<p>Electrical:CMHLN COMMO MANHOLE NEW Element type: Symbol</p>	<p>Electrical:CMHLX COMMO MANHOLE_EXIST Element type: Symbol</p>	<p>Electrical:CMPANL COMMUNICATION PANEL Element type: Symbol</p>
		
<p>Electrical:CPLTM CKT LINE TERMINATOR Element type: Symbol</p>	<p>Electrical:CPREC2 CP RECTIFIER Element type: Symbol</p>	<p>Electrical:CPSAN CP SACRIFICIAL ANODE Element type: Symbol</p>

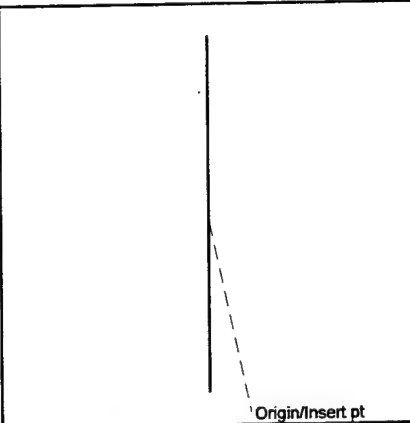
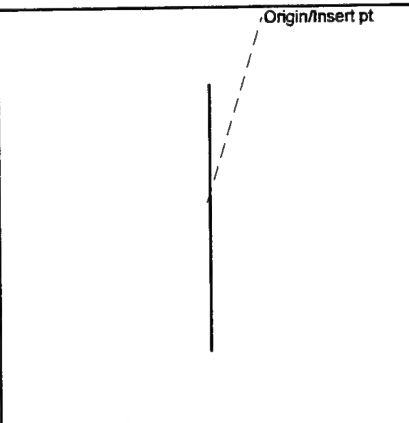
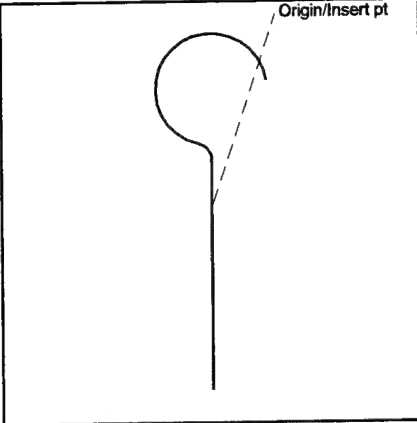
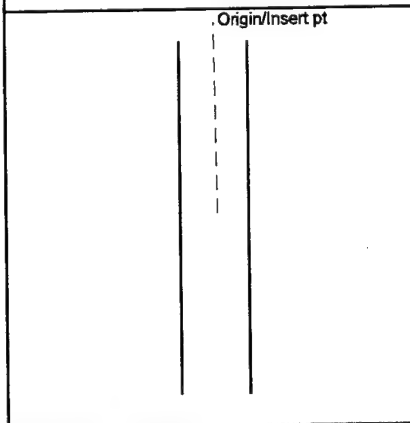
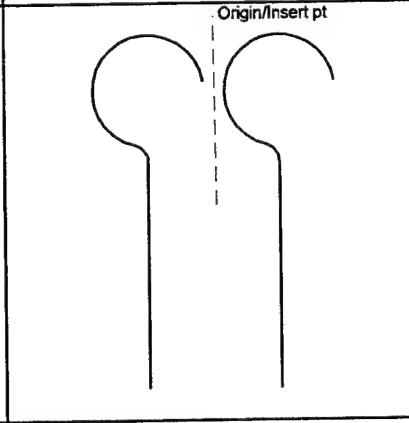
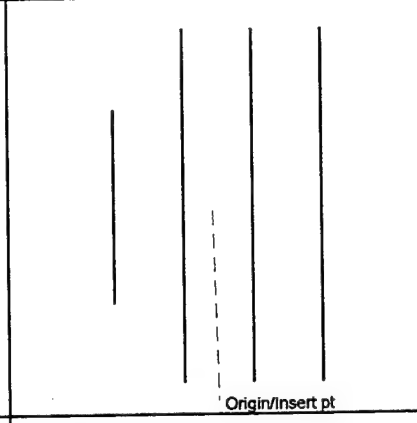
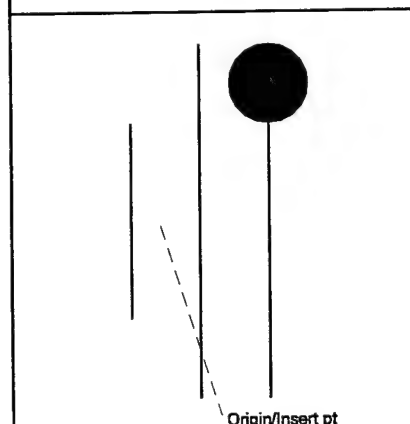
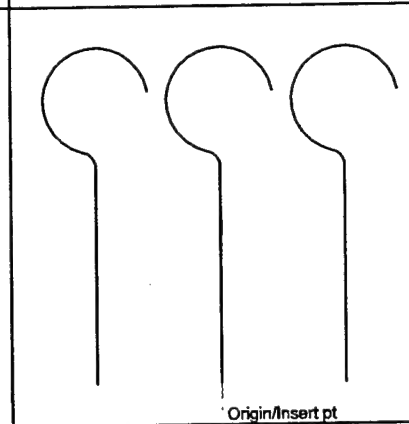
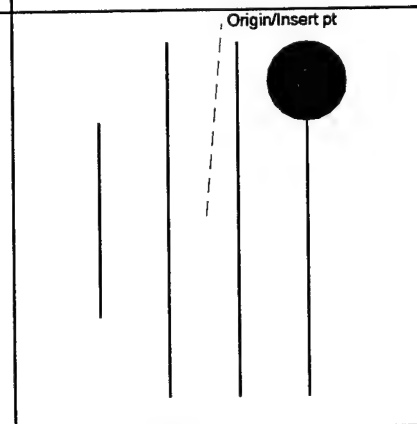
		
<p>Electrical:CPTEST CATHODIC PROTECT TEST STATN Element type: Symbol</p>	<p>Electrical:DBID DUCTBANK ID SYMBOL Element type: Symbol</p>	<p>Electrical:DGUYN DOWNGUY_NEW Element type: Symbol</p>
		
<p>Electrical:DGUYR DOWNGUY_REMOVE Element type: Symbol</p>	<p>Electrical:DOROPN ELECTRIC DOOR OPENER Element type: Symbol</p>	<p>Electrical:DSTMKR RW DISTANCE MARKER Element type: Symbol</p>
		
<p>Electrical:DTHL DISPLACE THRESHOLD LIGHT Element type: Symbol</p>	<p>Electrical:DXFMR DRY TYPE TRANSFORMER Element type: Symbol</p>	<p>Electrical:EHHLN ELEC HANDHOLE_NEW Element type: Symbol</p>

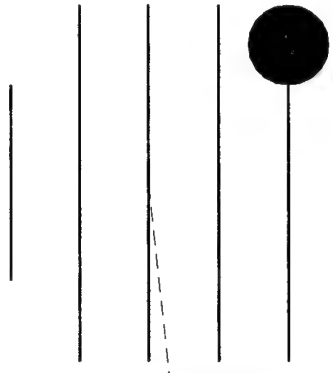

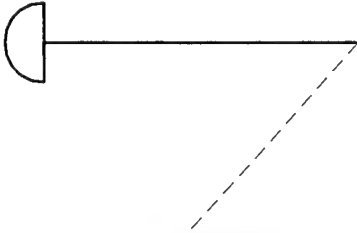
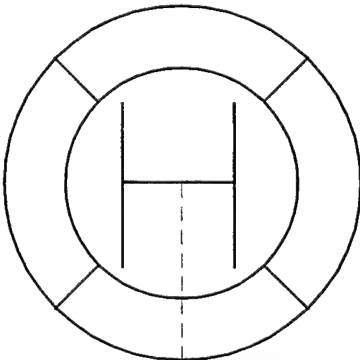
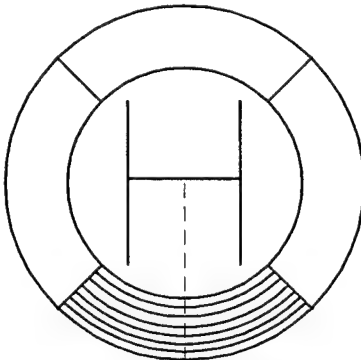
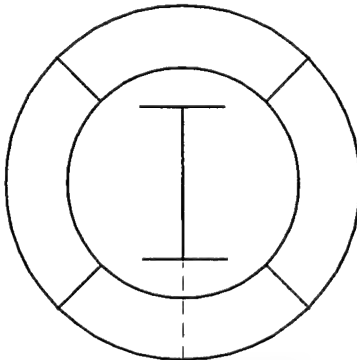
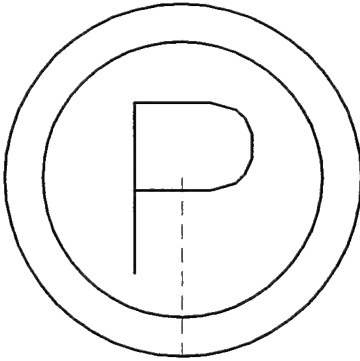
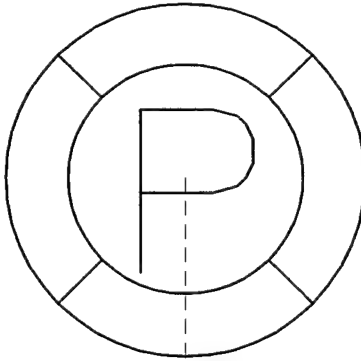
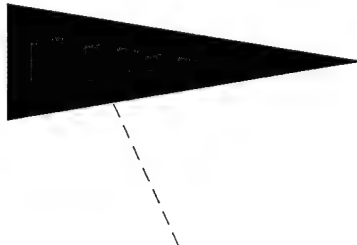
		
<p>Electrical: EHLX ELEC HANDHOLE_EXIST Element type: Symbol</p>	<p>Electrical: ELBP1L 1LAMP EMRGNCY LGHTBTTRY PWR Element type: Symbol</p>	<p>Electrical: ELBP2L 2LAMP EMRGNCY LGHTBTTRY PWR Element type: Symbol</p>
		
<p>Electrical: ELBP3L 3LAMP EMRGNCY LGHTBTTRY PWR Element type: Symbol</p>	<p>Electrical: EMHLN ELEC MANHOLE_NEW Element type: Symbol</p>	<p>Electrical: EMHLX ELEC MANHOLE_EXIST Element type: Symbol</p>
		
<p>Electrical: EPBXN ELEC PULLBOX_NEW Element type: Symbol</p>	<p>Electrical: EPBXX ELEC PULLBOX_EXIST Element type: Symbol</p>	<p>Electrical: ERECPT EMERGENCY RECEPTACLE Element type: Symbol</p>



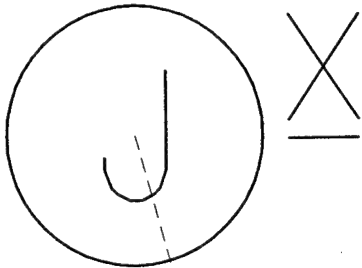

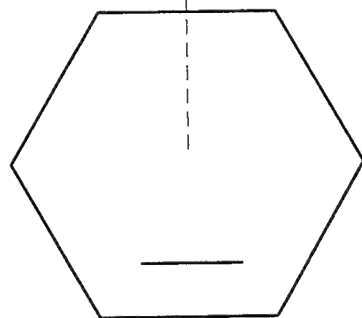
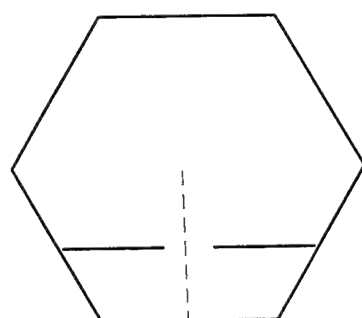

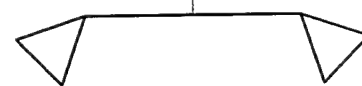
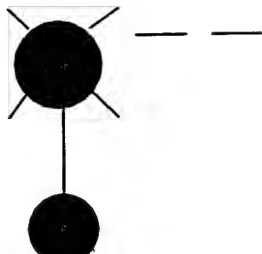
		
<p>Electrical:EXITCM CEILING MNTD EXITSIGN LIGHT Element type: Symbol</p>	<p>Electrical:EXITLF EXIT SIGN LIGHTED FACE Element type: Symbol</p>	<p>Electrical:EXITWM WALL MOUNTD EXIT SIGN LIGHT Element type: Symbol</p>
		
<p>Electrical:FAN CEILING FAN Element type: Symbol</p>	<p>Electrical:FIXSPB PENDANT BATTERY FIXTURE Element type: Symbol</p>	<p>Electrical:FIXSPQ PENDANT QUARTZ RESTRIKE Element type: Symbol</p>
		
<p>Electrical:FIXSPR PENDANT FIXTURE Element type: Symbol</p>	<p>Electrical:FIXWM WALL MOUNTED FIXTURE Element type: Symbol</p>	<p>Electrical:FIXWMB WALL MOUNTED BATTERY FIXTURE Element type: Symbol</p>

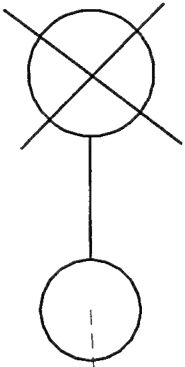
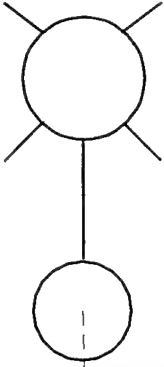
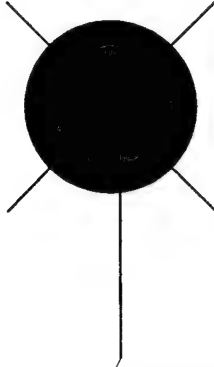
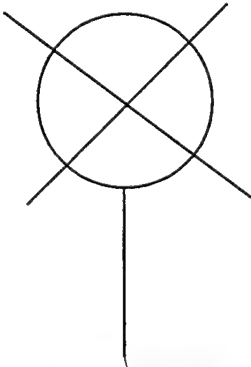
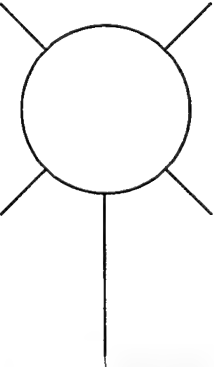
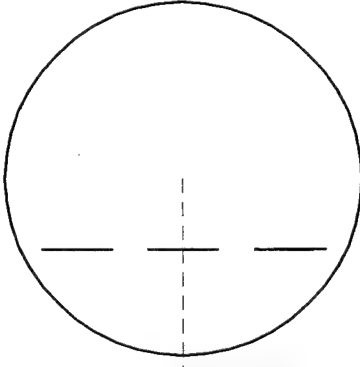
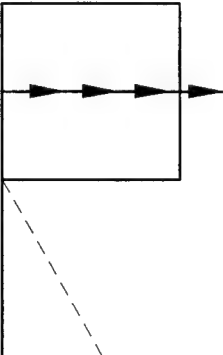
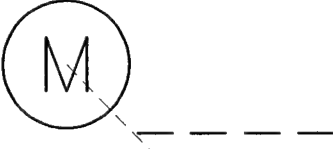
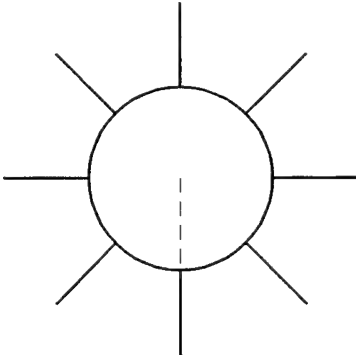
		
<p>Electrical: FL14WB 1X4 WALL MNT FIXT W BATTERY Element type: Symbol</p>	<p>Electrical: FL14WM 1X4 WALL MNT FIXTURE Element type: Symbol</p>	<p>Electrical: FL1X4 1X4 LIGHT FIXTURE Element type: Symbol</p>
		
<p>Electrical: FL1X4B 1X4 LIGHT FIXTURE W BATTERY Element type: Symbol</p>	<p>Electrical: FL1X4C 1X4 LIGHT CONTINUOUS Element type: Symbol</p>	<p>Electrical: FL2X2 2X2 LIGHT FIXTURE Element type: Symbol</p>
		
<p>Electrical: FL2X2B 2X2 LIGHT FIXTURE W BATTERY Element type: Symbol</p>	<p>Electrical: FL2X2C 2X2 LIGHT CONTINUOUS Element type: Symbol</p>	<p>Electrical: FL2X4 2X4 LIGHT FIXTURE Element type: Symbol</p>

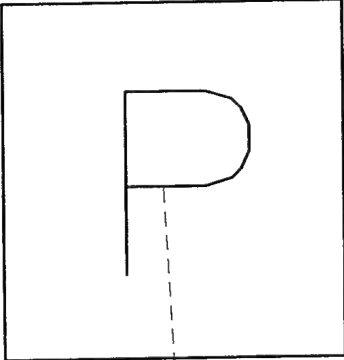
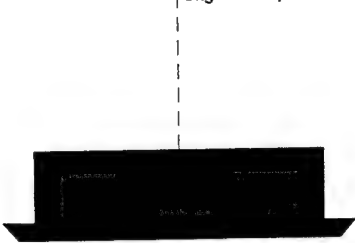

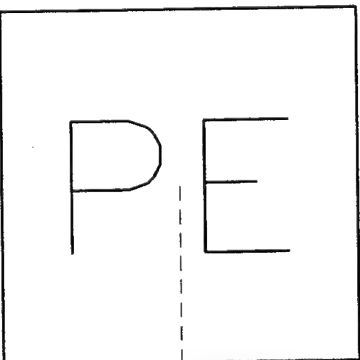
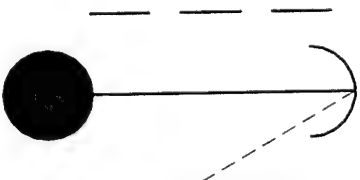
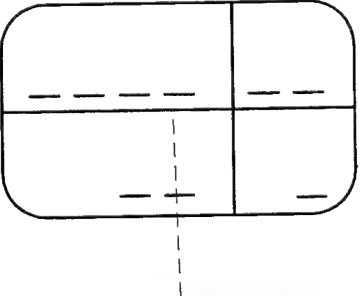
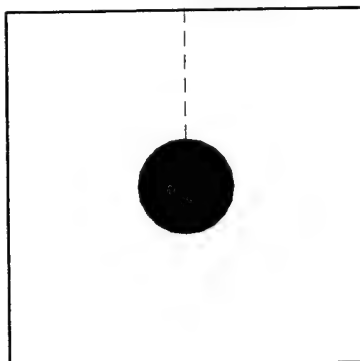
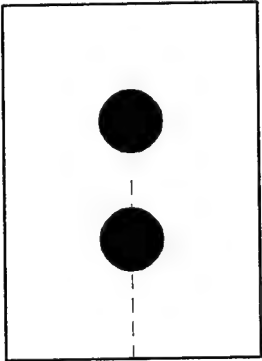
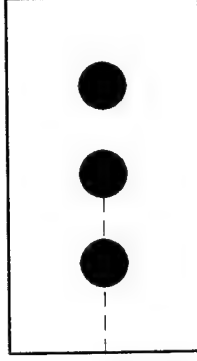
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Electrical:FL2X4B 2X4 LIGHT FIXTURE W BATTERY Element type: Symbol</p>	<p>Electrical:FL2X4C 2X4 LIGHT CONTINUOUS Element type: Symbol</p>	<p>Electrical:FLTN FLOODLIGHT_NEW Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Electrical:FLTR FLOODLIGHT_REMOVE Element type: Symbol</p>	<p>Electrical:FLTX FLOODLIGHT_EXISTING Element type: Symbol</p>	<p>Electrical:FUSRAT FUSE WITH RATING Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Electrical:GENRTR GENERATOR Element type: Symbol</p>	<p>Electrical:GRDROD GROUNDING ROD Element type: Symbol</p>	<p>Electrical:GROUND EARTH GROUND Element type: Symbol</p>

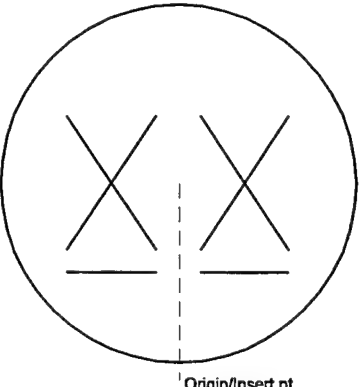
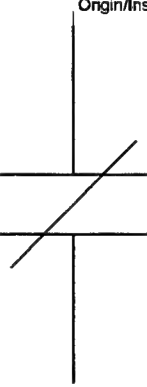
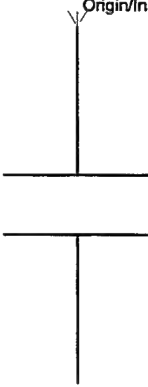
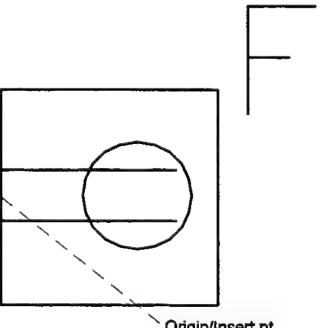
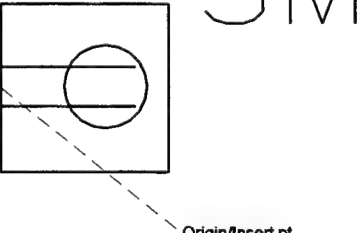
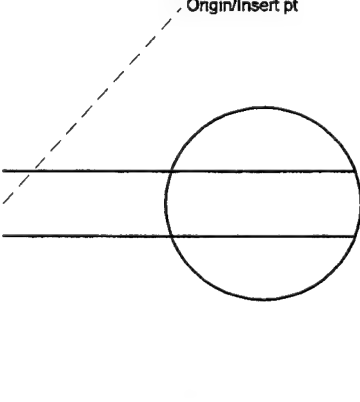
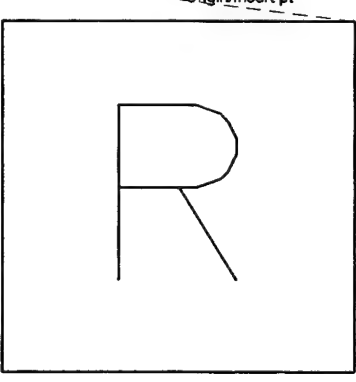
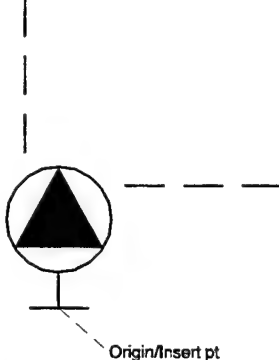
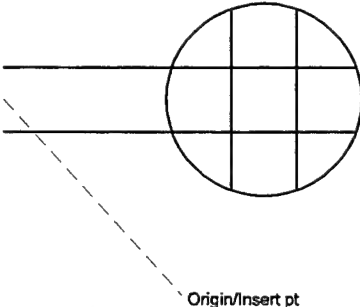
		
Electrical:HAS1H 1 HOT LEG Element type: Symbol	Electrical:HAS1N 1 NEUTRAL LEG Element type: Symbol	Electrical:HAS1S 1 SWITCH LEG Element type: Symbol
		
Electrical:HAS2H 2 HOT LEGS Element type: Symbol	Electrical:HAS2S 2 SWITCH LEGS Element type: Symbol	Electrical:HAS3HN 3 HOT 1 NEUT LEGS Element type: Symbol
		
Electrical:HAS3MK HOT NEUTRAL GROUND Element type: Symbol	Electrical:HAS3S 3 SWITCH LEG Element type: Symbol	Electrical:HAS4MK 2 HOT NEUTRAL GROUND Element type: Symbol

		
<p>Electrical:HAS5MK 3 HOT NEUTRAL GROUND Element type: Symbol</p>	<p>Electrical:HASGND 1 GROUND LEG Element type: Symbol</p>	<p>Electrical:HEDASW AERIAL SERVICE WEATHER HEAD Element type: Symbol</p>
		
<p>Electrical:HLL HOVERLANE Element type: Symbol</p>	<p>Electrical:HLLL HOVERLANE LIMIT LIGHT Element type: Symbol</p>	<p>Electrical:HPIL HELIPAD INSET LIGHT Element type: Symbol</p>
		
<p>Electrical:HPPLEL HELIPAD PER LIGHT_ELEVATED Element type: Symbol</p>	<p>Electrical:HPPLSF HELIPAD PERLIGHT_SEMIFLUSH Element type: Symbol</p>	<p>Electrical:HRUN1 HOME RUN 1 Element type: Symbol</p>

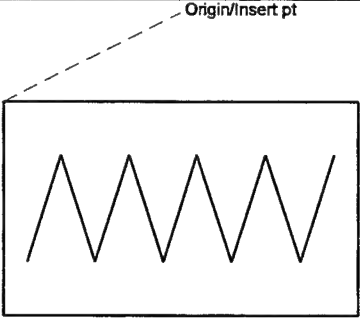
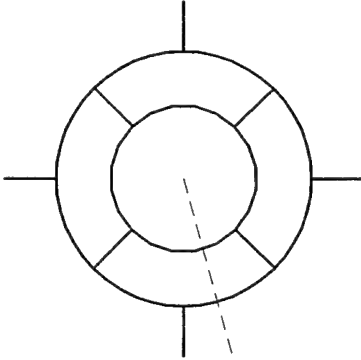
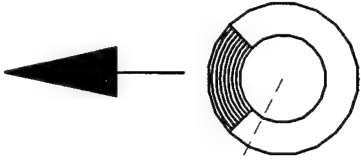
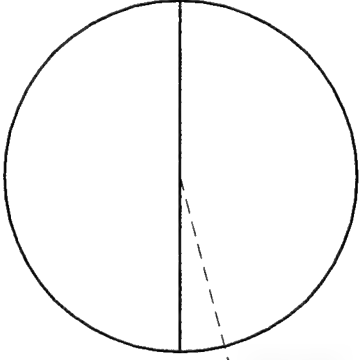
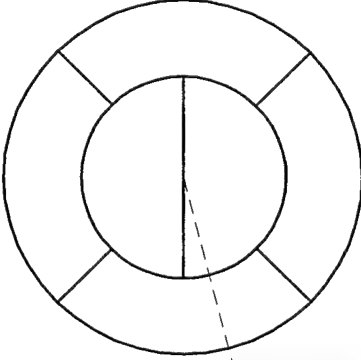
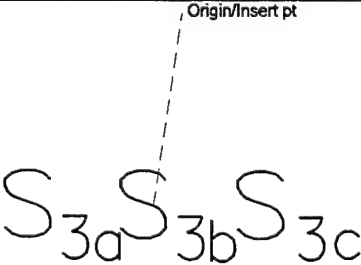
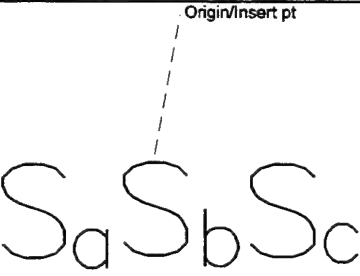
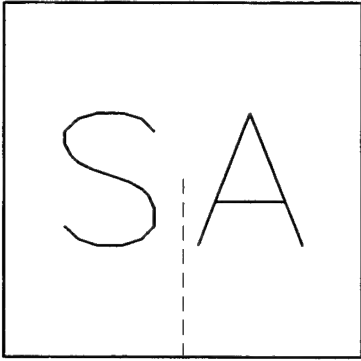
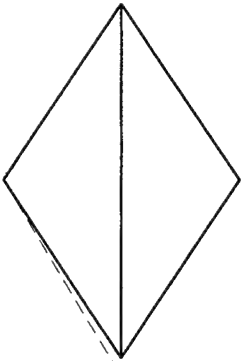
		
<p>Electrical: HRUN2 HOME RUN 2 Element type: Symbol</p>	<p>Electrical: HRUN3 HOME RUN 3 Element type: Symbol</p>	<p>Electrical: JNBX EXTERIOR UTIL JUNCTION BOX Element type: Symbol</p>
		
<p>Electrical: JNBXWM JUNCTION BOX WALL MT Element type: Symbol</p>	<p>Electrical: KNR KEYED NOTE REFERENCE Element type: Symbol</p>	<p>Electrical: KNRM KEYED NOT MULTIPLE Element type: Symbol</p>
		
<p>Electrical: LEADER LEADER LINE Element type: Symbol</p>	<p>Electrical: LITEBR EMRGNCYBTTRY PWRLGHTREMOT Element type: Symbol</p>	<p>Electrical: LTPLN LIGHT POLE_NEW Element type: Symbol</p>

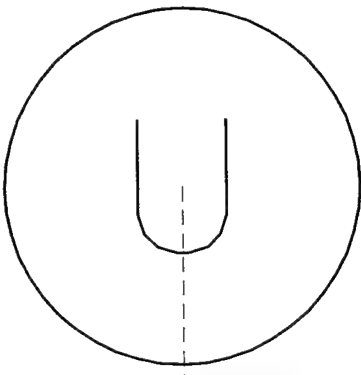
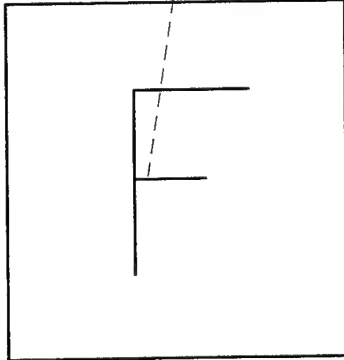
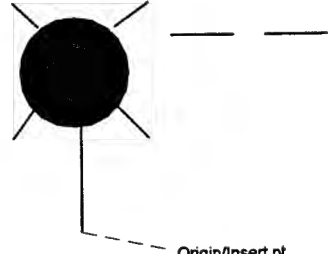
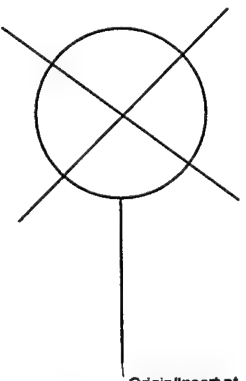
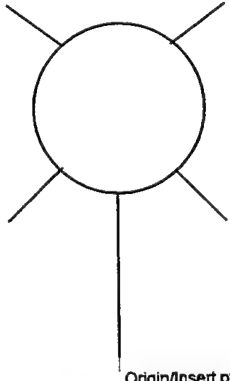
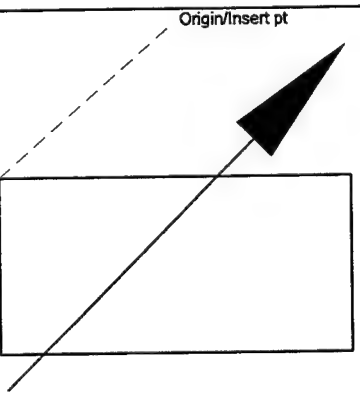

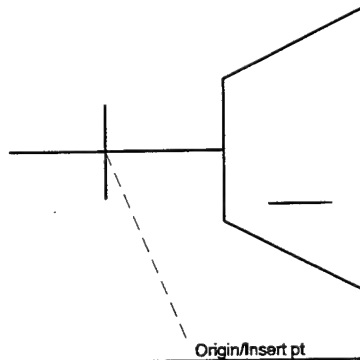
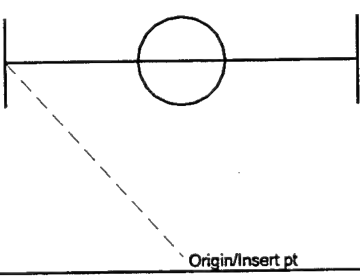
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Electrical:LTPLR LIGHT POLE_REMOVE Element type: Symbol</p>	<p>Electrical:LTPLX LIGHT POLE_EXISTING Element type: Symbol</p>	<p>Electrical:LTSTRN STREET LITE BRACKET_NEW Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Electrical:LTSTRR STREET LITE BRACKET_REMOVE Element type: Symbol</p>	<p>Electrical:LTSTRX STREET LITE BRACKET_EXIST Element type: Symbol</p>	<p>Electrical:METREL ELECTRICAL METER Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Electrical:MICROW OUTDOOR MICROWAVE XMIT UNT Element type: Symbol</p>	<p>Electrical:MOTRHP MOTOR HP Element type: Symbol</p>	<p>Electrical:OBSTRL OBSTRUCTION LIGHT Element type: Symbol</p>

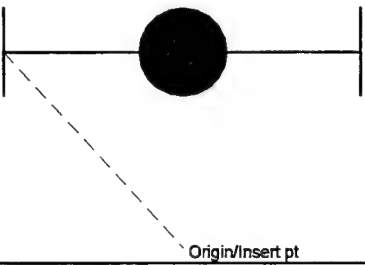
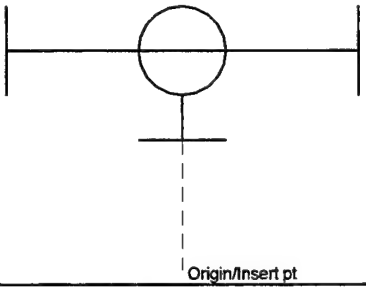
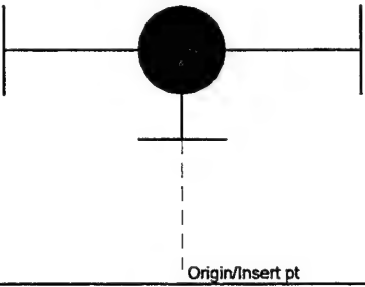
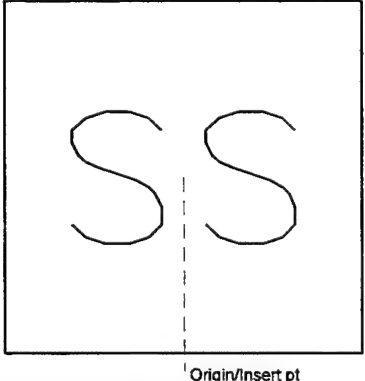
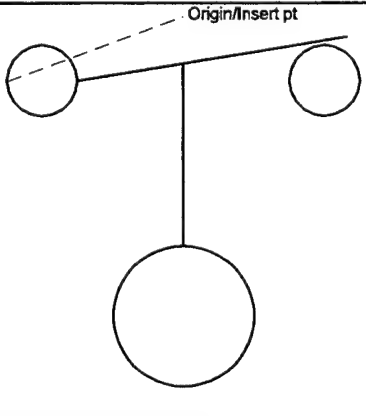
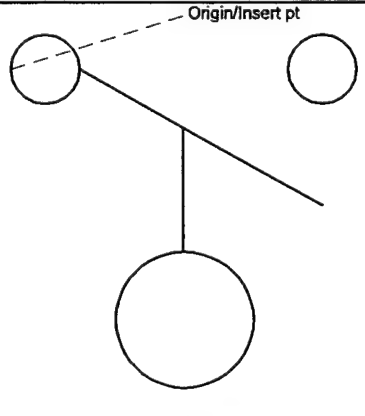
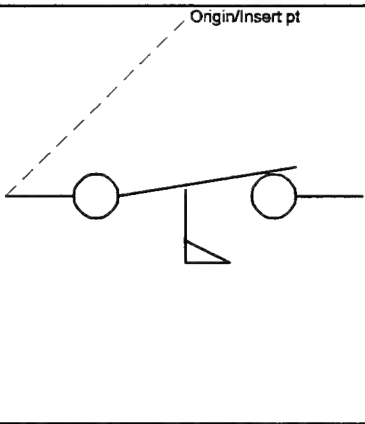
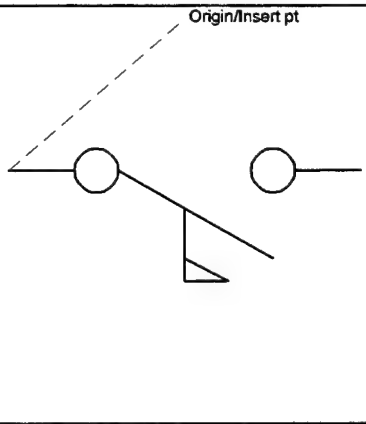
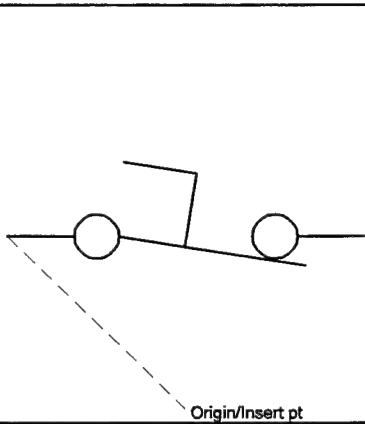
		
<p>Electrical:PAPI PAPI LIGHT UNIT Element type: Symbol</p>	<p>Electrical:PBPMC FLUSH MNTD PANELBRD CABINET Element type: Symbol</p>	<p>Electrical:PBPMC SURFACE MNTD PANELBRD CAB Element type: Symbol</p>
		
<p>Electrical:PHOTO PHOTOELECTRIC RELAY Element type: Symbol</p>	<p>Electrical:POLEAR AERIAL POLE W GUYING Element type: Symbol</p>	<p>Electrical:POLEID POLE IDENT. SYMBOL Element type: Symbol</p>
		
<p>Electrical:PSHST1 ONE PUSHBUTTON STATION Element type: Symbol</p>	<p>Electrical:PSHST2 TWO PUSHBUTTON STATION Element type: Symbol</p>	<p>Electrical:PSHST3 THREE PUSHBUTTON STATION Element type: Symbol</p>

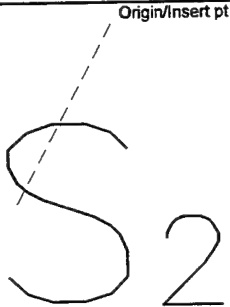

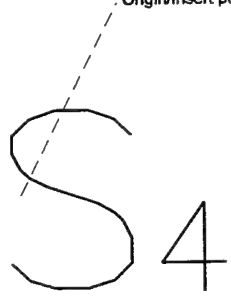
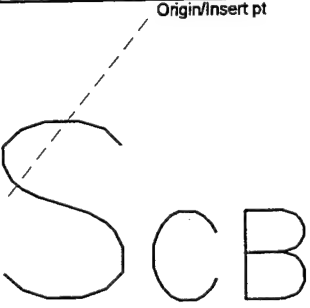
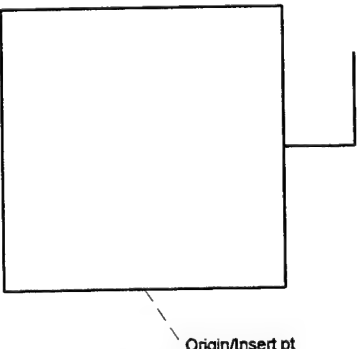
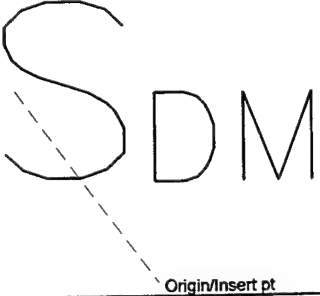
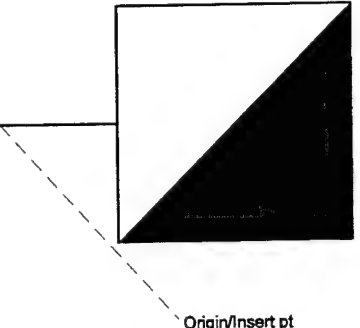
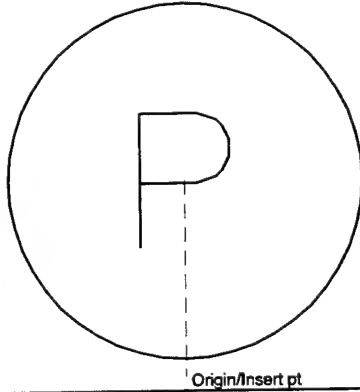
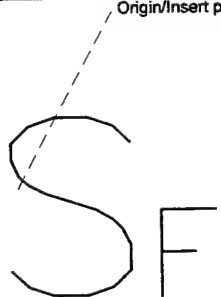
		
<p>Electrical:PWRDVC POWER SYSTEM DEVICE ANSI Element type: Symbol</p>	<p>Electrical:RCNC NORMALLY CLSD RELAY CONTACT Element type: Symbol</p>	<p>Electrical:RCNO NORMALLY OPEN RELAY CONTACT Element type: Symbol</p>
		
<p>Electrical:RECDFM DOUBLEFLUSHMOUNTFLOOROUTLET Element type: Symbol</p>	<p>Electrical:RECDSM DOUBLESURFMOUNTFLOOROUTLET Element type: Symbol</p>	<p>Electrical:RECDUP DUPLEX RECEPTACLE Element type: Symbol</p>
		
<p>Electrical:RECLOS RECLOSER AERIAL AUTOMATIC Element type: Symbol</p>	<p>Electrical:RECPT2 SPECIAL RECEPTACLE Element type: Symbol</p>	<p>Electrical:RECQUA QUADRAPLEX RECEPTACLE Element type: Symbol</p>





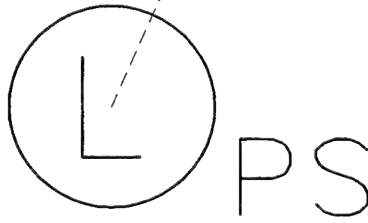

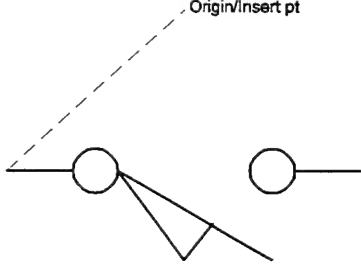
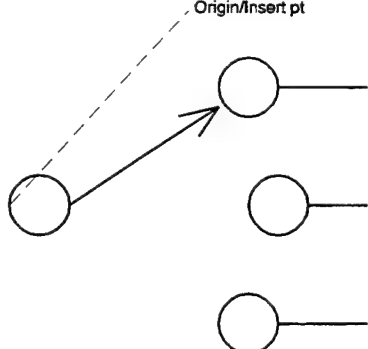
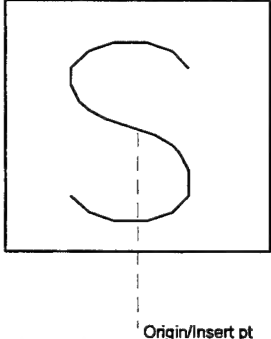
Electrical: RECRAN RECEPTACLE RANGE Element type: Symbol	Electrical: RECSDP SWITCHED DUPLEX RECEPTACLE Element type: Symbol	Electrical: RECSFM SINGLE FLUSH MOUNT FLR OUTL Element type: Symbol
Electrical: RECSIN SINGLE RECEPTACLE Element type: Symbol	Electrical: RECSNS SNGL RECEPTACLE WITH SWITCH Element type: Symbol	Electrical: RECSPR SPECIAL PURPOSE RECEPTACLE Element type: Symbol
Electrical: RECSSM SINGLESURFMOUNTFLOOROUTLET Element type: Symbol	Electrical: REIL REIL LIGHT UNIT Element type: Symbol	Electrical: RELYOP RELAY OP COIL Element type: Symbol

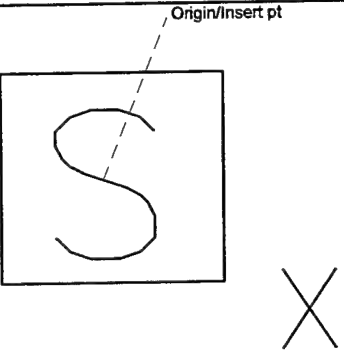
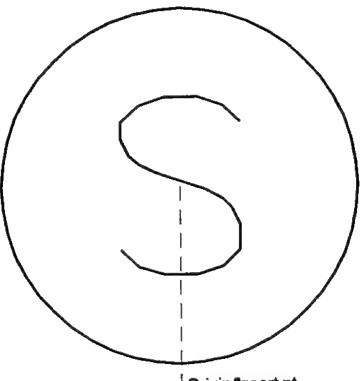
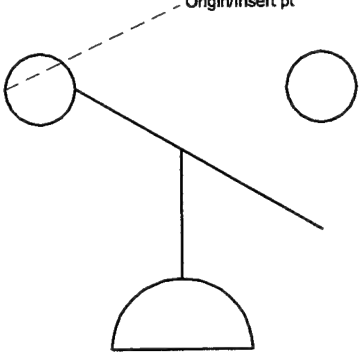
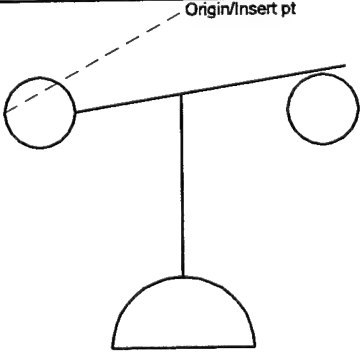
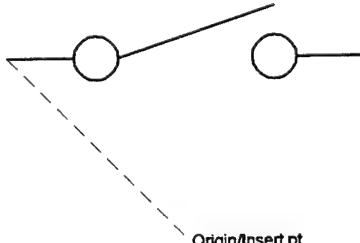
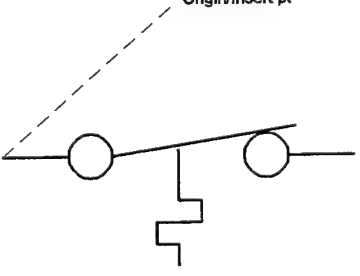
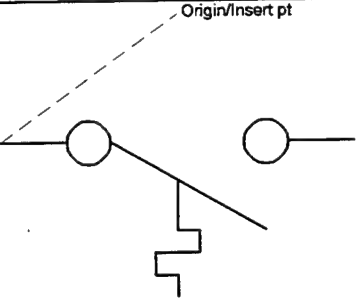
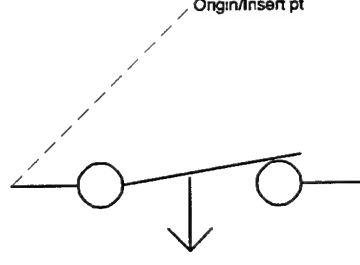
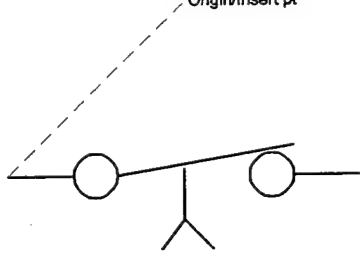
		
Electrical: RESHTR ELECTRIC RESISTANCE HEATER Element type: Symbol	Electrical: RWCLL RW CENTERLINE LIGHT Element type: Symbol	Electrical: RWEL RW END LIGHT Element type: Symbol
		
Electrical: RWLEL RW EDGE LIGHT_ELEVATED Element type: Symbol	Electrical: RWLSF RW EDGE LIGHT_SEMIFLUSH Element type: Symbol	Electrical: S3ABC 3 THREE WAY SWITCHES Element type: Symbol
		
Electrical: SABC THREE SINGLE SWITCHES Element type: Symbol	Electrical: SECTAA SECTIONALIZER AERIAL AUTO Element type: Symbol	Electrical: SENG GENERIC VOLUMETRIC SENSOR Element type: Symbol

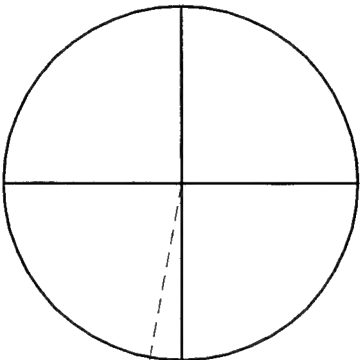
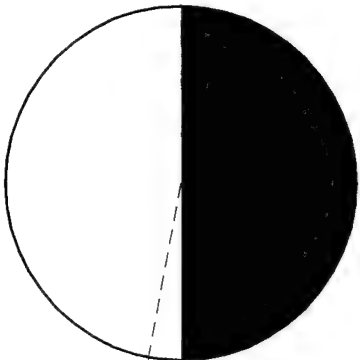
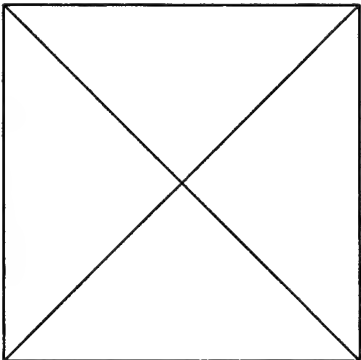
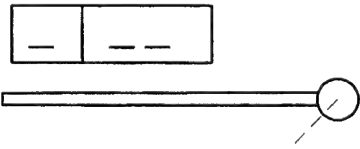
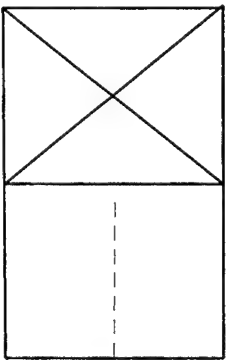
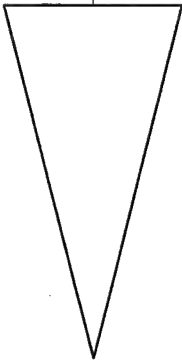
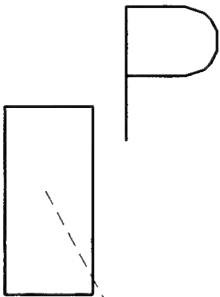
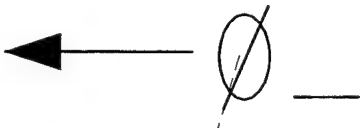
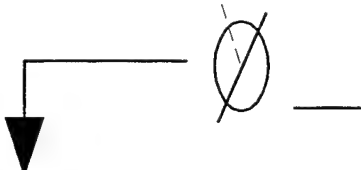
		
Electrical: SENULS ULTRASONIC SENSOR Element type: Symbol	Electrical: SFL SEQUENCED FLASHER LIGHT Element type: Symbol	Electrical: SLLN STLT LUMINAIRE_NEW Element type: Symbol
		
Electrical: SLLR STLT LUMINAIRE_REMOVE Element type: Symbol	Electrical: SLLX STLT LUMINAIRE_EXISTING Element type: Symbol	Electrical: SLREG CONSTNT CURRENT TRANSFORMER Element type: Symbol
		
Electrical: SM MOTOR SWITCH Element type: Symbol	Electrical: SOUNDS SOUND SYSTEM INDICATE USE Element type: Symbol	Electrical: STP14 SURF PEND REC 1X4 STRP Element type: Symbol

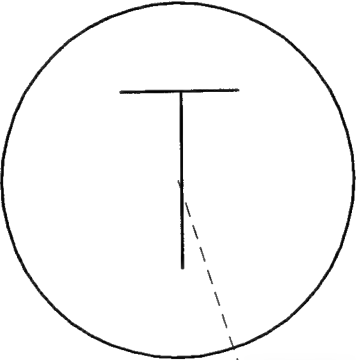
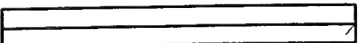
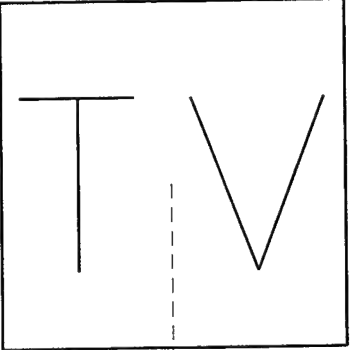
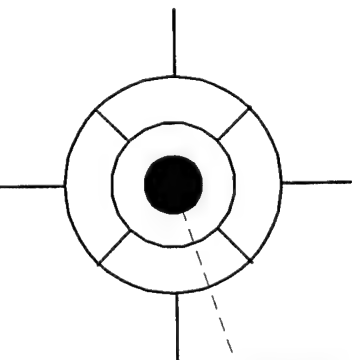
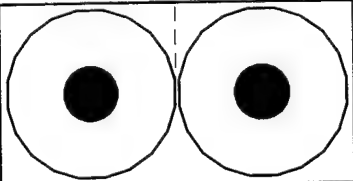
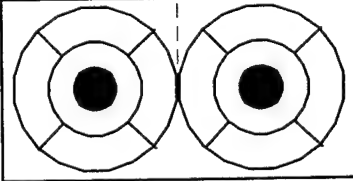
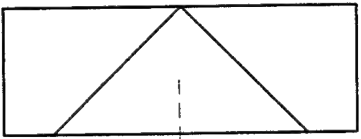
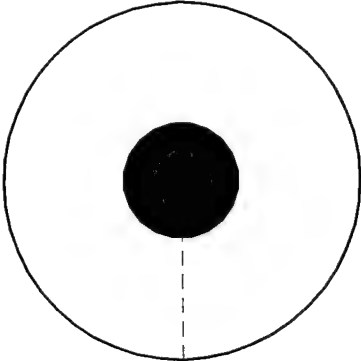
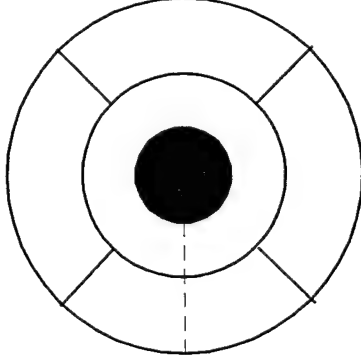
		
<p>Electrical: STP14B SURFACE 1X4 STRIP BATTERY Element type: Symbol</p>	<p>Electrical: STP18 SURF PEND REC 1X8 STRP Element type: Symbol</p>	<p>Electrical: STP18B SURFACE 1X8 STRIP BATTERY Element type: Symbol</p>
		
<p>Electrical: SUBSTA SUBSTATION Element type: Symbol</p>	<p>Electrical: SWFLNC NORMALLY CLOSED FLOAT SWITCH Element type: Symbol</p>	<p>Electrical: SWFLNO NORMALLY OPEN FLOAT SWITCH Element type: Symbol</p>
		
<p>Electrical: SWFNC NORMALLY CLOSED FLOW SWITCH Element type: Symbol</p>	<p>Electrical: SWFNO NORMALLY OPEN FLOW SWITCH Element type: Symbol</p>	<p>Electrical: SWFONC NORM CLSD FOOT OPRTD SWITCH Element type: Symbol</p>

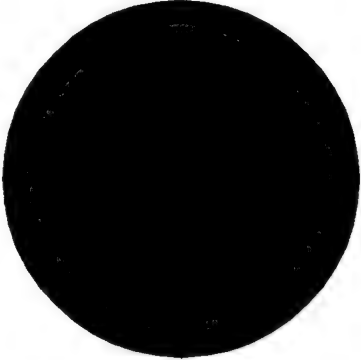
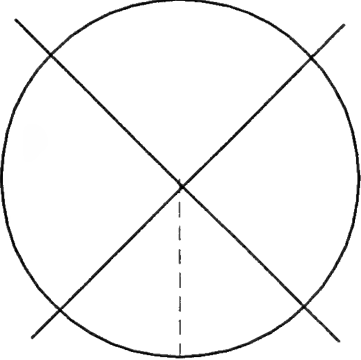
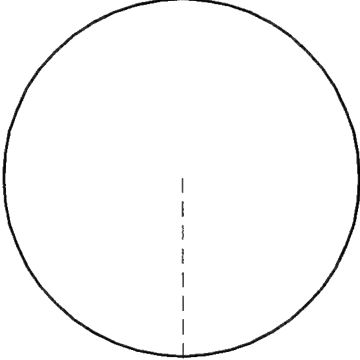
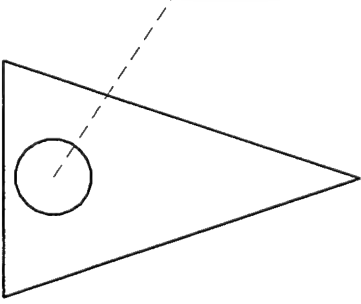
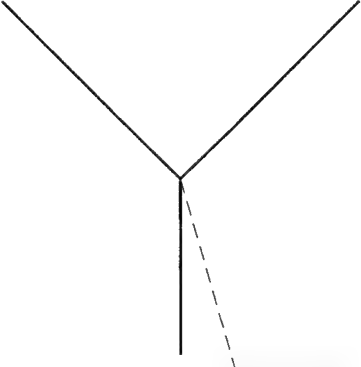
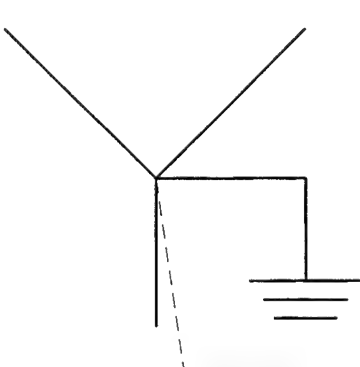
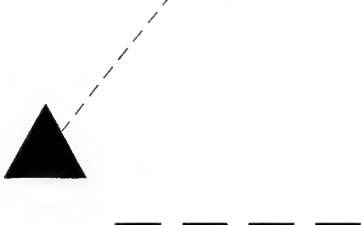
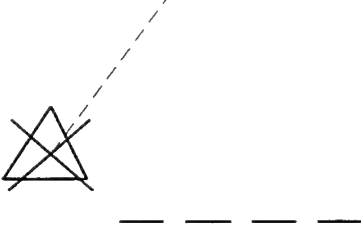
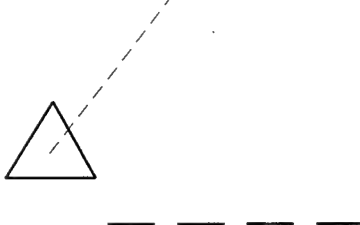
		
Electrical: SWI2WY DOUBLE POLE SWITCH Element type: Symbol	Electrical: SWI3WY THREE WAY SWITCH Element type: Symbol	Electrical: SWI4WY FOUR WAY SWITCH Element type: Symbol
		
Electrical: SWICB CIRCUIT BREAKER Element type: Symbol	Electrical: SWIDIS DISCONNECT SWITCH Element type: Symbol	Electrical: SWIDM1 DIMMER Element type: Symbol
		
Electrical: SWIDM2 DIMMER SWITCH Element type: Symbol	Electrical: SWIDUR DURESS SWITCH Element type: Symbol	Electrical: SWIFUS FUSED SWITCH Element type: Symbol


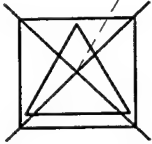

		
<p>Electrical:SWIKEY KEY OPERATED SWITCH Element type: Symbol</p>	<p>Electrical:SWLVM LOW VOLTAGE MASTER SWITCH Element type: Symbol</p>	<p>Electrical:SWITCH SINGLE POLE SWITCH Element type: Symbol</p>
		
<p>Electrical:SWTIM TIMER OPERATED SWITCH Element type: Symbol</p>	<p>Electrical:SWLAMP LAMP HOLDER POLE SWITCH Element type: Symbol</p>	<p>Electrical:SWLNC NORMALLY CLOSED LIMIT SWITCH Element type: Symbol</p>
		
<p>Electrical:SWLNO NORMALLY OPEN LIMIT SWITCH Element type: Symbol</p>	<p>Electrical:SWMULT MULTIPOSITION SWITCH Element type: Symbol</p>	<p>Electrical:SWPADN SWITCH_PAD_NEW Element type: Symbol</p>

		
<p>Electrical:SWPADX SWITCH_PAD_EXIST Element type: Symbol</p>	<p>Electrical:SWPCM CEILING MOUNTED PULL SWITCH Element type: Symbol</p>	<p>Electrical:SWPCOI PRES SWITCH CLSE ON INCREASE Element type: Symbol</p>
		
<p>Electrical:SWPOOI PRESS SWITCH OPN ON INCREASE Element type: Symbol</p>	<p>Electrical:SWSBRK SINGLE BREAK SWITCH Element type: Symbol</p>	<p>Electrical:SWTANC NORMCLSDTEMPACTIVATEDSWTCH Element type: Symbol</p>
		
<p>Electrical:SWTANO NORMOPNTEMPACTIVATEDSWTCH Element type: Symbol</p>	<p>Electrical:SWTDNC NORM CLSD TIME DELAY SWITCH Element type: Symbol</p>	<p>Electrical:SWTDNO NORM OPEN TIME DELAY SWITCH Element type: Symbol</p>

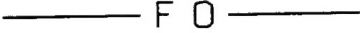
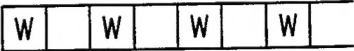
		
<p>Electrical:TDZL TOUCHDOWN ZONE LIGHT Element type: Symbol</p>	<p>Electrical:THL THRESHOLD LIGHT Element type: Symbol</p>	<p>Electrical:TOWER TRANSMISSION TOWER Element type: Symbol</p>
		
<p>Electrical:TRFSIG TRAFFIC SIGNAL MAST ARM Element type: Symbol</p>	<p>Electrical:TSCTRL TR SIGNAL CONTROLLER Element type: Symbol</p>	<p>Electrical:TSHEAD TRAFFIC SIGNAL HEAD Element type: Symbol</p>
		
<p>Electrical:TSPBX TR SIGNAL PULLBOX Element type: Symbol</p>	<p>Electrical:TSPHS TR SIGNAL PH NO_THRU Element type: Symbol</p>	<p>Electrical:TSPHT TR SIGNAL PH NO_TURN Element type: Symbol</p>

		
<p>Electrical: TSTAT THERMOSTAT Element type: Symbol</p>	<p>Electrical: TSVLDT TR SIGNAL VEH LOOP DETECTOR Element type: Symbol</p>	<p>Electrical: TVOUT TELEVISION OUTLET Element type: Symbol</p>
		
<p>Electrical: TWCLL TW CENTERLINE LIGHT Element type: Symbol</p>	<p>Electrical: TWELEL TW END LIGHT ELEVATED Element type: Symbol</p>	<p>Electrical: TWELSF TW END LIGHT SEMIFLUSH Element type: Symbol</p>
		
<p>Electrical: TWGSGN TW GUIDANCE SIGN Element type: Symbol</p>	<p>Electrical: TWLEL TW EDGE LIGHT ELEVATED Element type: Symbol</p>	<p>Electrical: TWLSF TW EDGE LIGHT SEMIFLUSH Element type: Symbol</p>

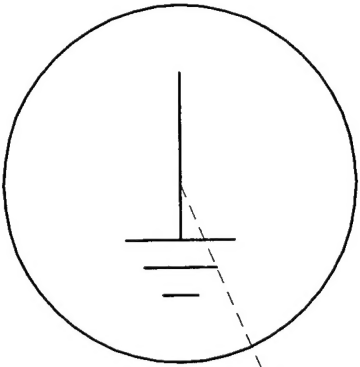
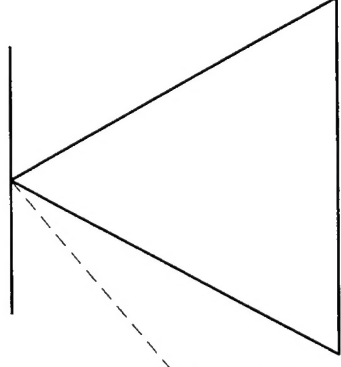
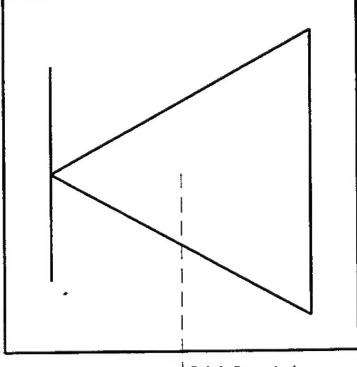
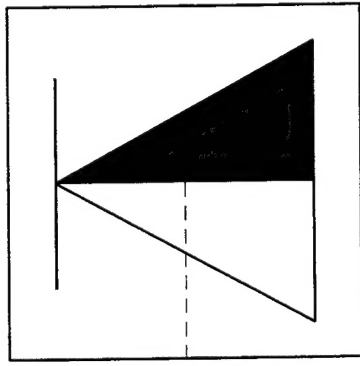
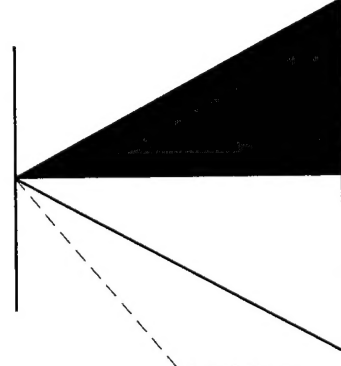
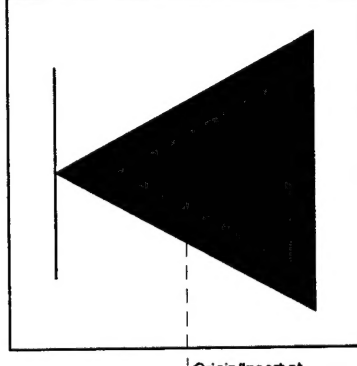
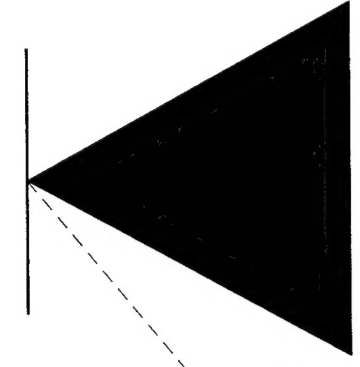
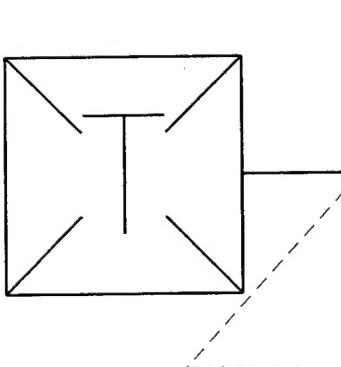
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Electrical:UTPLN POLE_NEW Element type: Symbol</p>	<p>Electrical:UTPLR POLE_REMOVE Element type: Symbol</p>	<p>Electrical:UTPLX POLE_EXISTING Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Electrical:WINDCN WINDCONE Element type: Symbol</p>	<p>Electrical:WYECON XFMR WYE CONNECTION Element type: Symbol</p>	<p>Electrical:WYEXGC XFMR GROUNDED CONNECTION Element type: Symbol</p>
 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>	 <p>Origin/Insert pt</p>
<p>Electrical:XFRPLN XFMR_POLE_NEW Element type: Symbol</p>	<p>Electrical:XFRPLR XFMR_POLE_REMOVE Element type: Symbol</p>	<p>Electrical:XFRPLX XFMR_POLE_EXIST Element type: Symbol</p>

		
Electrical:XFRPMN XFMR_PAD_NEW Element type: Symbol	Electrical:XFRPMR XFRM_PAD_REMOVE Element type: Symbol	Electrical:XFRPMX XFMR_PAD_EXIST Element type: Symbol

14 Telecommunications Lines Library

	
<p>Telecommunications: FIBOPT FIBER OPTICS LINE Element type: Line</p>	<p>Telecommunications: WIREWY WIREWAY Element type: Line</p>

14 Telecommunications Symbols Library

		
<p>Telecommunications: GRDROD GROUNDING ROD Element type: Symbol</p>	<p>Telecommunications: RECDC DATACOMM WALL RECEPTACLE Element type: Symbol</p>	<p>Telecommunications: RECDCF DATACOMM FLOOR RECEPTACLE Element type: Symbol</p>
		
<p>Telecommunications: RECTDF TELEPHONE DATA FLOOR RECPTL Element type: Symbol</p>	<p>Telecommunications: RECTDW TELEPHONE DATA WALL RECPTL Element type: Symbol</p>	<p>Telecommunications: RECTEF TELEPHONE FLOOR RECEPTACLE Element type: Symbol</p>
		
<p>Telecommunications: RECTEL TELEPHONE WALL RECEPTACLE Element type: Symbol</p>	<p>Telecommunications: TBOOTH TELEPHONE BOOTH Element type: Symbol</p>	

REPORT DOCUMENTATION PAGE				<i>Form Approved</i> OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing this collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS.					
1. REPORT DATE (DD-MM-YYYY) September 2001		2. REPORT TYPE Final report		3. DATES COVERED (From - To)	
4. TITLE AND SUBTITLE A/E/C CADD Standard, Release 2.0; Appendix D				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S) The CADD/GIS Technology Center				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) U.S. Army Engineer Research and Development Center 3909 Halls Ferry Road Vicksburg, MS 39180-6199				8. PERFORMING ORGANIZATION REPORT NUMBER ERDC/ITL TR-01-6	
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION / AVAILABILITY STATEMENT Approved for public release; distribution is unlimited.					
13. SUPPLEMENTARY NOTES The main text and Appendices A, B, and C are bound in a separate volume.					
14. ABSTRACT The "A/E/C CADD Standard Manual" has been developed by the CADD/GIS Technology Center (CGTC) to reduce redundant CADD standardization efforts within the Army, Navy, and Air Force. The manual is part of an initiative to consolidate existing CADD drafting standards and to develop data standards that address the entire life-cycle of facilities within the Department of Defense Tri-Service. The CADD drafting standards addressed in the "A/E/C CADD Standard Manual" include presentation graphics, level/layer assignments, metric/English scales, electronic file naming, and standard symbology. As the manual evolves, it will also include nongraphic database standards that address issues such as cost engineering and specification generation. The CGTC's primary goal is to develop a CADD standard that is generic enough to operate under various CADD software packages (such as Intergraph's MicroStation and Autodesk's AutoCAD) and incorporate existing industry standards when possible.					
15. SUBJECT TERMS A/E/C CADD		CADD standards Drafting standards			
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES 284	19a. NAME OF RESPONSIBLE PERSON
a. REPORT UNCLASSIFIED	b. ABSTRACT UNCLASSIFIED	c. THIS PAGE UNCLASSIFIED			19b. TELEPHONE NUMBER (include area code)